

SERVICE MANUAL

AA-2D CHASSIS

| <u>MODEL</u> | <u>DEST.</u> | <u>COMMANDER</u> | <u>CHASSIS NO.</u> |
|-----------------|--------------|------------------|--------------------|
| KV-32S42 | US | RM-Y168 | SCC-S07U-A |
| KV-32S42 | CND | RM-Y168 | SCC-S08R-A |
| KV-32S66 | US | RM-Y169 | SCC-S07V-A |
| KV-32S66 | CND | RM-Y169 | SCC-S08S-A |
| KV-32V42 | US | RM-Y168 | SCC-S07W-A |
| KV-35S42 | US | RM-Y168 | SCC-S07R-A |
| KV-35S42 | CND | RM-Y168 | SCC-S07P-A |
| KV-35S66 | US | RM-Y169 | SCC-S07S-A |
| KV-35S66 | CND | RM-Y169 | SCC-S08Q-A |
| KV-35V42 | US | RM-Y168 | SCC-S07T-A |



KV-35V42



RM-Y168

TRINITRON® COLOR TV
SONY

SPECIFICATIONS

| | KV-32S42 | KV-32S66 | KV-32V42 | KV-35S42 | KV-35S66 | KV-35V42 |
|--------------------------|---------------------------|---------------------------|-----------------------------|-------------------------|-------------------------|-----------------------------|
| Power requirements | 120V,60Hz | 120V,60Hz | 120V,60Hz | 120V,60Hz | 120V,60Hz | 120V,60Hz |
| Number of inputs/outputs | | | | | | |
| Video ¹⁾ | 1 | 2 | 3 | 2 | 2 | 3 |
| S Video ²⁾ | 1 | 1 | 1 | 1 | 1 | 2 |
| Audio ³⁾ | 1 | 2 | 3 | 2 | 2 | 3 |
| Audio Out ⁴⁾ | 1 | 1 | 1 | 1 | 1 | 1 |
| Monitor Out | - | - | 1 | - | - | 1 |
| S-Link | - | 3 | - | - | 3 | - |
| Speaker output(W) | 5W x 2 | 5W x 2 | 5W x 2 | 5W x 2 | 5W x 2 | 5W x 2 |
| Power Consumption(W) | | | | | | |
| In use(Max) | 180W | 180W | 180W | 210W | 210W | 210W |
| In standby | 2W | 2W | 2W | 2W | 2W | 2W |
| Dimensions(W/H/D) | | | | | | |
| (mm) | 791 x 707 x 604.5mm | 791 x 707 x 604.5mm | 821 x 675.3 x 587 mm | 870 x 761x 653 mm | 870 x 761x 653 mm | 920 x 730.8x 641.8 mm |
| (in) | 31 x 27 13/16 x 23 3/4 in | 31 x 27 13/16 x 23 3/4 in | 32 3/8 x 26 5/8 x 23 1/8 in | 34 1/4 x 30 x 25 5/8 in | 34 1/4 x 30 x 25 5/8 in | 36 3/4 x 28 3/4 x 25 1/4 in |
| Mass | | | | | | |
| (kg) | 65 kg | 65 kg | 70 kg | 83 kg | 83 kg | 90 kg |
| (lbs) | 143 lbs | 143 lbs | 154 lbs | 183 lbs | 183 lbs | 203 lbs |

Television system

American TV standard, NTSC

Channel coverage

VHF:2-13/UHF:14-69/CATV:1-125

Picture tube

Trinitron® tube

Visible screen size

32-inch picture measured diagonally
(KV-32S42/32S66/32V42)

35-inch picture measured diagonally
(KV-35S42/35S66/35V42)

Actual screen size

34-inch picture measured
(KV-32S42/32S66/32V42)

37-inch picture measured
(KV-35S42/35S66/35V42)

Antenna

75 ohm external terminal for VHF/UHF

Supplied Accessories

RM-Y168 (KV-32S42/32V42/35S42/35V42)

RM-Y169 (KV-32S66/35S66)

Batteries size AA (R6) (2)

Optional Assessories

A/V Cable VMC-810/820/830HG

Audio Cable RKC-515HG

S-Link Cable RK-G69HG

S Video Cable YC-15/30HG

TV Stand SU-32A4, SU-35A4

Design and specifications are subject to change without notice.

¹⁾ 1 Vp-p 75 ohms unbalanced, sync negative

²⁾ Y: 1 Vp-p 75 ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

³⁾ 500 mVrms (100% modulation), Impedance: 47 kilohms

⁴⁾ More than 408 mVrms at the maximum volume setting (variable)

More than 408 mVrms (fix)

Impedance (output): 2 kilohms


(●) SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word 'SRS' and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

BBE and BBE symbol are trademarks of BBE Sound, Inc. and are licensed by BBE Sound, Inc. under U.S. Patent No. 4,638,258 and 4,482,866.

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WARNINGS AND CAUTIONS


CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS, AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.


ATTENTION!!

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT SUSPECTE.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground. The cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

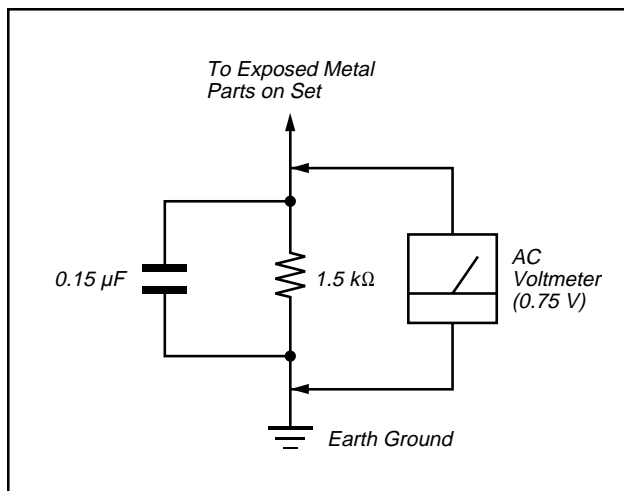


Figure A. Using an AC voltmeter to check AC leakage.

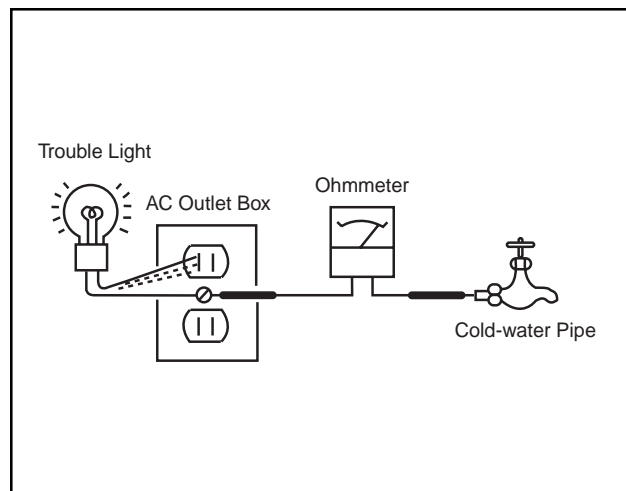


Figure B. Checking for earth ground.

The instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers shown reflect those of the Operating Instruction Manual.

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. Before reading, check the model number located on the front of this manual.

The menus and illustrations used in these instructions are for KV-35S66. Differences in operation or features will be indicated in the text, for example, "KV-35S86 only."

| Model Number | PICTURE (PIP) | SURROUND | AUTO VOLUME CONTROL |
|--------------|---------------|----------|---------------------|
| KV-32S42 | • | • | • |
| KV-32S66 | • | • | • |
| KV-32V42 | • | • | • |
| KV-35S42 | • | • | • |
| KV-35S66 | • | • | • |
| KV-35V42 | • | • | • |

Precautions

Safety

- Operate the TV only with 120 V AC.
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- The AC power cord is attached to the rear of the TV with hooks. Do not attempt to remove the cord from these hooks. Doing so could cause damage to the TV.

Using This Manual

This manual is divided into five major sections. We recommend that you review the contents before you begin to use your new TV.

- 1 Connecting and Installing the TV**
This section guides you through your initial set up. It shows how to connect your antenna or cable, and connect any accessories.
- 2 Basic Set Up**
This section teaches you the basic skills needed to operate your new TV.
- 3 Using your New TV**
This section shows the initial setup screen and how to use your remote control.
- 4 Using your Menus**
This section teaches you how to access on-screen menus and adjust your TV's settings.
- 5 Troubleshooting**
This section helps you to correct problems you may encounter with your TV.

Connecting and Installing the TV

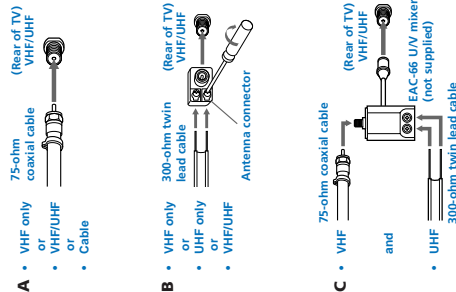
Making Connections

Refer to the table below, it will direct you to the diagram suitable to the equipment you will be connecting.

| If you will be connecting | See page |
|--|----------|
| Cable or antenna only | 3 |
| Cable and antenna | 3 |
| Cable box | 4 |
| Cable box and cable to view scrambled channels | 4 |
| VCR and cable or antenna | 5 |
| VCR and cable box | 5 |
| Two VCRs for tape editing | 6 |
| Satellite Receiver | 7 |
| VCR and Satellite Receiver | 7 |
| DVD Player | 8 |
| Audio system | 9 |
| Camcorder to view tapes | 9 |
| VCR using S-Link | 10 |
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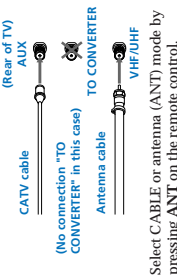
Cable or Antenna Connections
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see A); older homes will probably have 300-ohm twin lead cable (see B); still other homes may contain both (see C).



Cable and antenna

KV-32S66, 35S66 only
If your cable provider does not feature local channels, you may find this set up convenient.



Note

In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function, (see page 23).

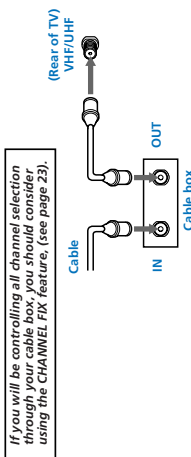
Connecting and Installing the TV (continued)

Cable Box Connections

Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable box

- Connect the coaxial connector from your cable to the IN on your cable box.
- Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.



If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature, (see page 23).

Cable box and cable

KV-32S66, 35S66 only

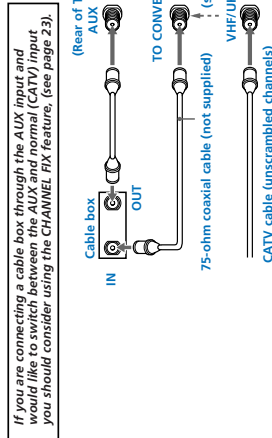
For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

Notes

- Your Sony remote control can be programmed to operate your cable box, (see page 30).
- When using PIP, you cannot view the AUX input in the window picture.

Tip

Pressing ANT switches between these inputs.



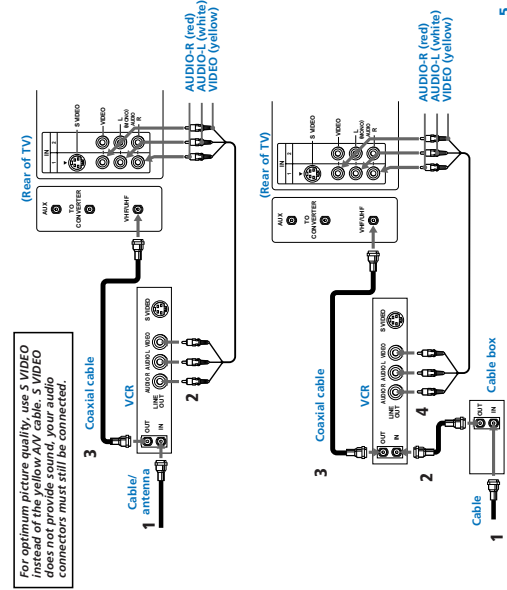
Connecting and Installing the TV (continued)

Connecting two VCRs for tape editing

KV-32V42, 35V42 only

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the connection instructions on page 5 of this manual.
- 2 Using A/V connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.



Connecting and Installing the TV (continued)

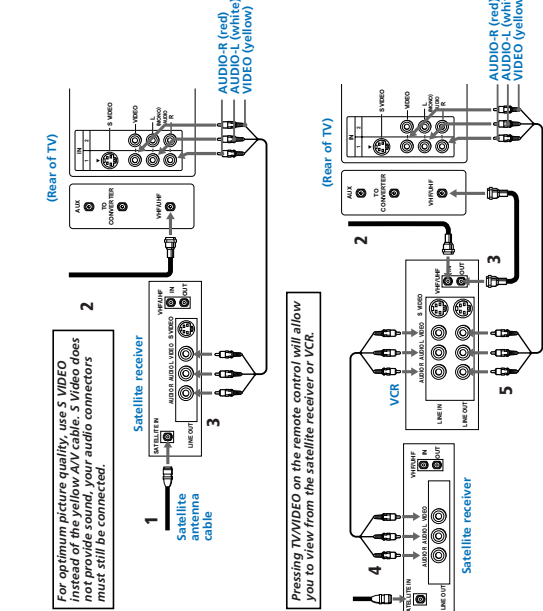
DVD Player Connections

Connecting a DVD Player

- 1 Using audio connectors, connect AUDIO OUT on your DVD player to AUDIO IN on your TV.
- 2 Using an S VIDEO cable, connect S VIDEO on your DVD player to S VIDEO on your TV.

Note

If you do not have an S Video cable, connect a yellow video cable from LINE OUT VIDEO on your DVD to VIDEO IN on your TV.



VCR Connections

Connecting an antenna/cable TV system with a VCR

- 1 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

Tip

If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

Connecting a VCR and TV with a cable box

- 1 Connect the coaxial cable from the wall to IN on your cable box.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Connect a coaxial cable (not supplied) from the OUT jack on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Satellite Receiver Connections

Connecting a satellite receiver

- 1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your TV.

Connecting a satellite receiver and a VCR

- 1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.
- 2 Attach the coaxial connector from your cable or antenna to IN on your VCR.
- 3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.
- 4 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Troubleshooting

Consult the table below: it suggests solutions to specific problems.

| Problem | What it could be | What you can do |
|--|------------------|---|
| You want to restore the TV's factory settings | | <ul style="list-style-type: none">First, turn the TV on. Then while pressing the RESET button on the remote control, press the POWER button on the TV. The TV will turn itself off and then back on. When the TV turns on again, all settings will be reset, and the initial setup screen will appear.Call your local Sony service center. |
| A red light keeps flashing on the TV for more than a few seconds | | <ul style="list-style-type: none">Your TV may need service. |
| TV makes a noise when turned on | | <ul style="list-style-type: none">This is a normal function of your TV. |
| Screen is not lit and there is no sound | | <ul style="list-style-type: none">Power cord may not be plugged in.Remote control batteries may not be inserted correctly.TV/VIDEO setting may be incorrect.Current program may exceed PARENTAL CONTROL settings. |
| Poor or no picture (screen lit), good sound | | <ul style="list-style-type: none">VIDEO menu settings may not be adjusted correctly.Antenna/cable connections may be incorrect.VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing) |
| Good picture, no sound | | <ul style="list-style-type: none">Sound may be set to MUTING.Your TV may be set to SAP.SPEAKER may not be set correctly. |
| No color | | <ul style="list-style-type: none">Color settings may not be adjusted correctly. |
| Only snow and noise appear on the screen | | <ul style="list-style-type: none">CABLE may not be set correctly in the CHANNEL SET UP menu.Antenna/cable connections may not be correct.TV may be set to AUX mode. |

Operating a Cable Box or Satellite Receiver

Programming the remote control

You can program the supplied remote control to operate a cable box or satellite receiver.

- Press **CODE SET**.
- Press **SAT/CABLE (FUNCTION)**.
- Use the **0-9** buttons to key in the manufacturer's code number from the following chart.
- Press **ENTER**.

For more details on operating the cable box or satellite receiver

Refer to the operating instructions that were supplied with the equipment.

Cable box code numbers

| Manufacturer | Code |
|--------------------|-------------------------|
| Harris/Regal | 222, 223, 224, 225, 226 |
| Jerrold/G. I. | 201, 202, 203, 204, 205 |
| | 206, 207, 208, 218 |
| Oak | 219, 220, 221 |
| Panasonic | 219, 220, 221 |
| Pioneer | 214, 215 |
| Scientific Atlanta | 209, 210, 211 |
| Socan | 216, 217 |
| Zenith | 212, 213 |

Satellite receiver code numbers

| Manufacturer | Code |
|------------------|--------------------------------------|
| Sony | 801 (preset code for remote control) |
| General Electric | 802 |
| Hilachi | 805 |
| Hughes | 804 |
| Panasonic | 803 |
| RCA/PROSCAN | 802, 808 |
| Toshiba | 806, 807 |

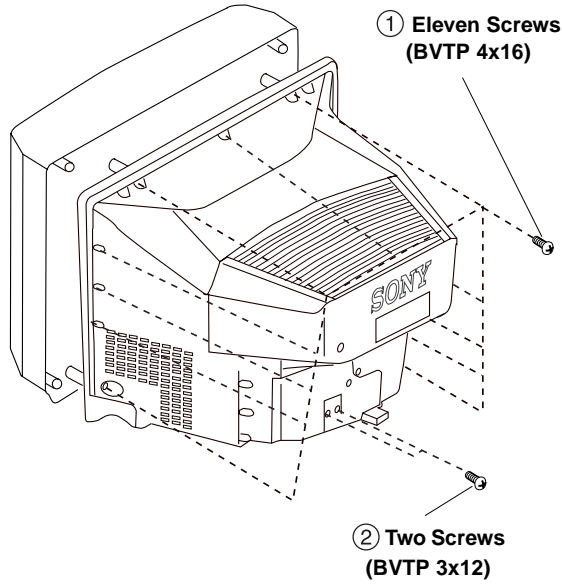
| Problem | What it could be | What you can do |
|---|------------------|--|
| Cannot receive upper channels (UHF) when using an antenna | | <ul style="list-style-type: none">CABLE setting may not be correct in the CHANNEL SET UP menu. (page 23).Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 23). |
| Cannot receive any channels when using cable | | <ul style="list-style-type: none">CABLE setting may not be correct in the CHANNEL SET UP menu. (page 23).Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 23).Use the remote control supplied with the cable box. |
| Cannot gain enough volume when using a cable box | | <ul style="list-style-type: none">Volume may not be adjusted on your cable box. |
| TV is fixed to one channel | | <ul style="list-style-type: none">CHANNEL FIX settings may not be correct. |
| Lost password for PARENTAL CONTROL | | <ul style="list-style-type: none">In the password screen, enter the following master password: 4357. The master password cannot be used to unlock currently blocked channels. |

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669)(U.S. residents only) or (416) 499-SONY (7669)(Canadian residents only).

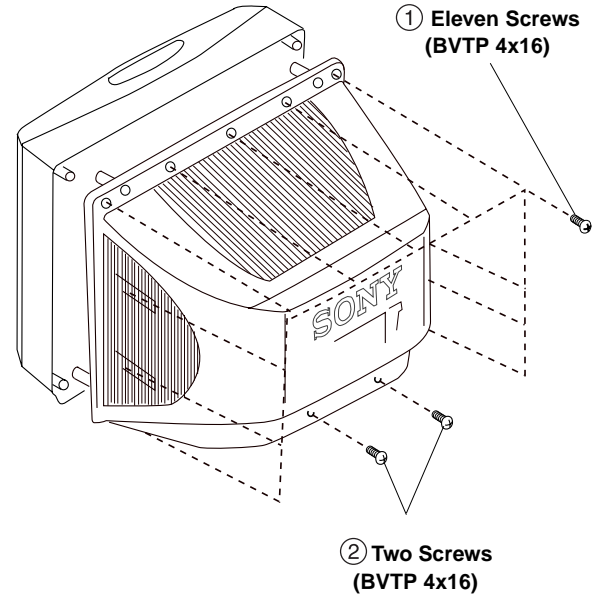
SECTION 2 DISASSEMBLY

2-1. REAR COVER REMOVAL

(KV-32S42/32V42/32S66)

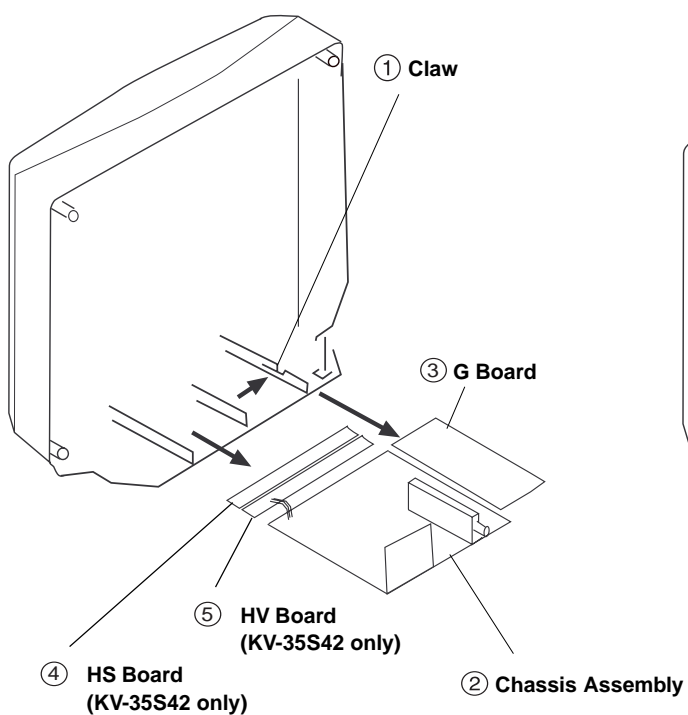


(KV-35S42/35V42/35S66)

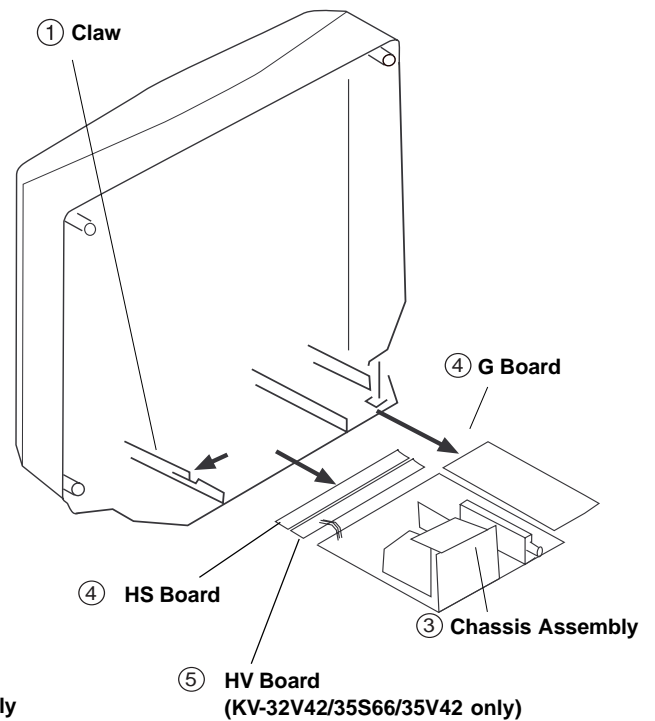


2-2. CHASSIS ASSEMBLY REMOVAL

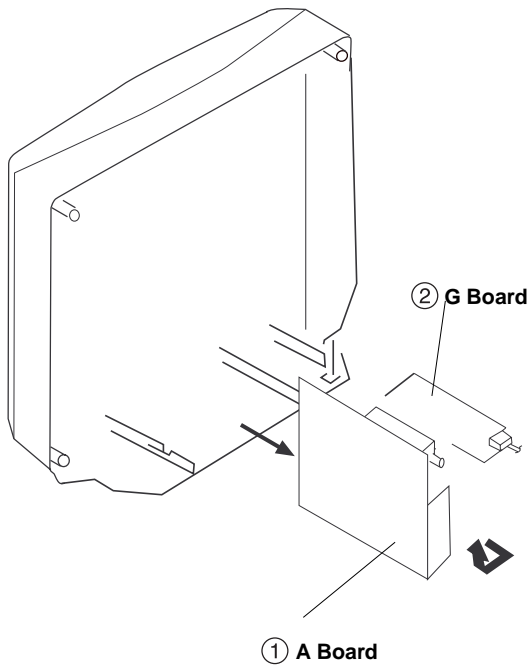
(KV-32S42/35S42)



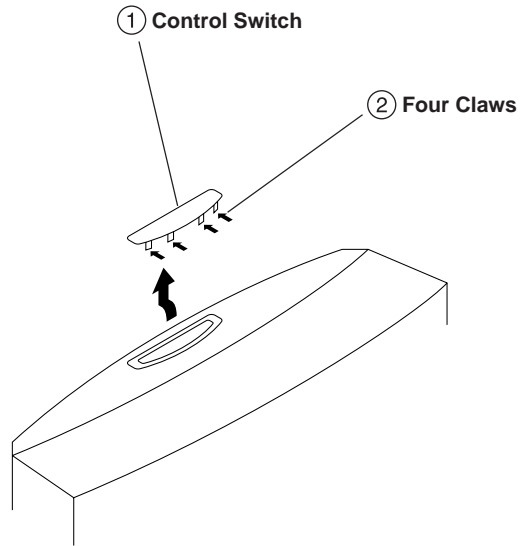
(KV-32S66/32V42/35S66/35V42)



2-3. SERVICE POSITION



2-4. CONTROL SWITCH REMOVAL (KV-32V42/35V42 only)

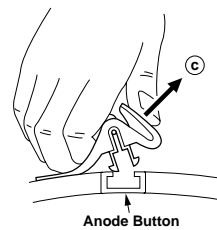
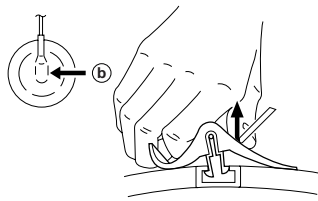
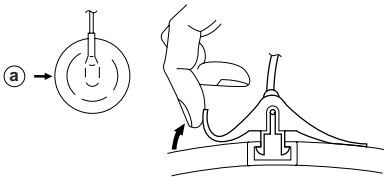


ANODE CAP REMOVAL

WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge the CRT **before** attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

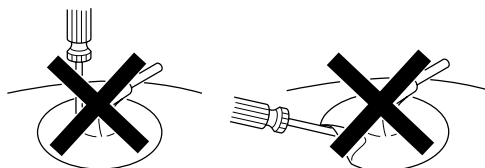
NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

REMOVAL PROCEDURES



HOW TO HANDLE AN ANODE CAP

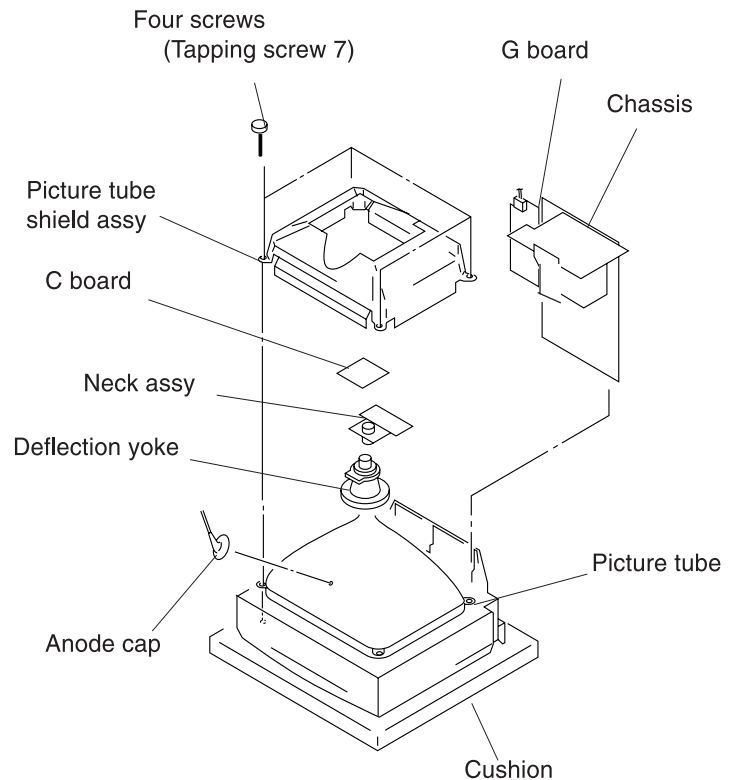
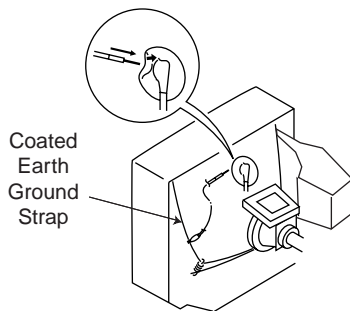
- ① Do not use sharp objects which may cause damage to the surface of the anode cap.
- ② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



2-5-1. PICTURE TUBE REMOVAL (KV-32S42/32V42/32S66)

WARNING: BEFORE REMOVING THE ANODE CAP

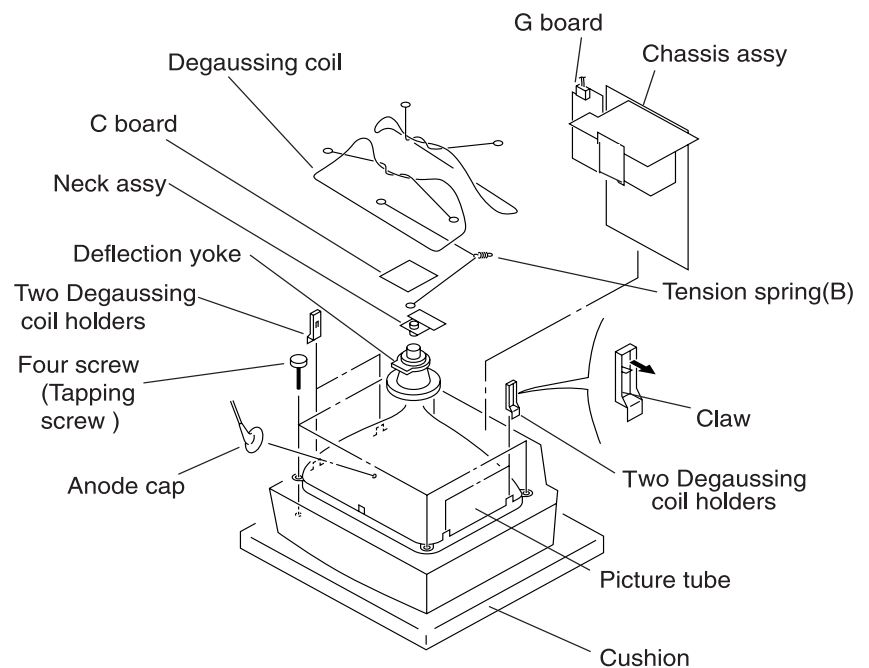
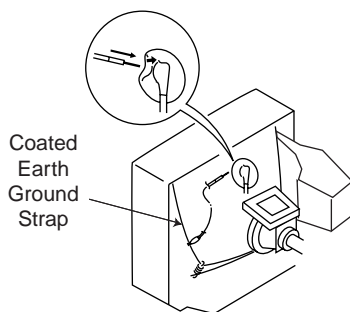
High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



2-5-2. PICTURE TUBE REMOVAL (KV-35S42/35V42/35S66)

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



SECTION 3
SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE control normal
BRIGHTNESS control normal

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. Screen (G2)/White Balance

Note: Test Equipment Required

- 1. Color Bar Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital Multimeter

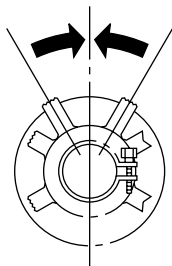
3-1. BEAM LANDING

Preparation:

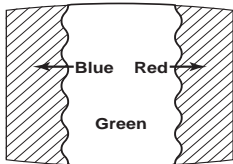
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser because it magnetizes the CRT .

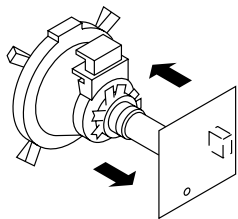
- 1. Input white pattern from pattern generator.
- 2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



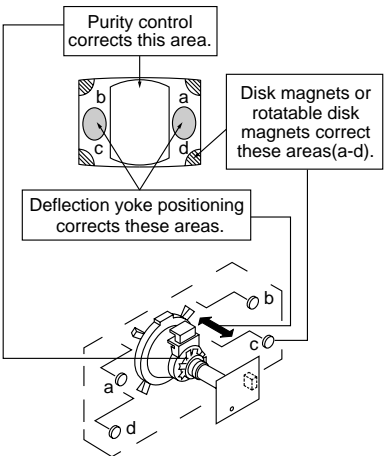
- 3. Input green pattern from pattern generator.
- 4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



- 5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



- 6. Switch over the raster signal to red and blue and confirm the condition.
- 7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
- 8. When landing at the corner is not right, adjust by using the disk magnets.



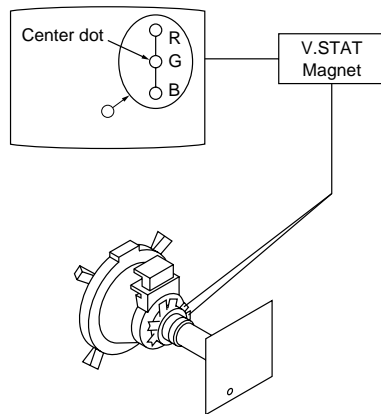
3-2. CONVERGENCE

Before starting convergence adjustments:

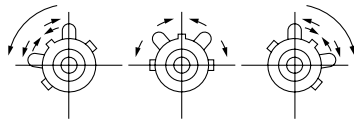
1. Perform FOCUS, V. LIN and V. SIZE adjustments.
2. Set BRIGHTNESS control to minimum.
3. Input dot pattern.

Vertical and Horizontal Static Convergence

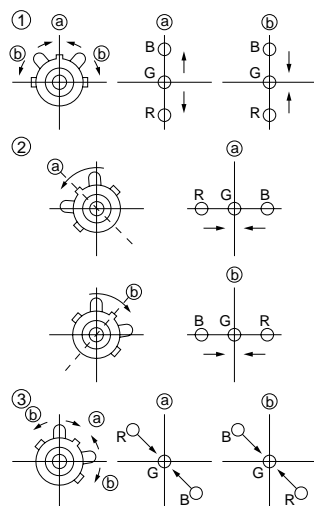
1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical movement)



Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



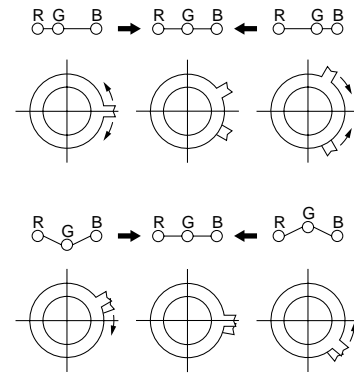
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

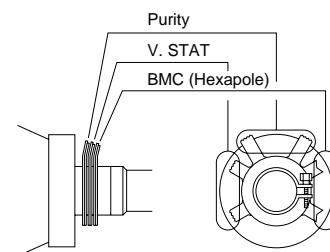
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

Use the VSTAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction.)



Y Separation Axis Correction Magnet Adjustment

1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
2. Adjust the deflection yoke upright so it touches the CRT.
3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

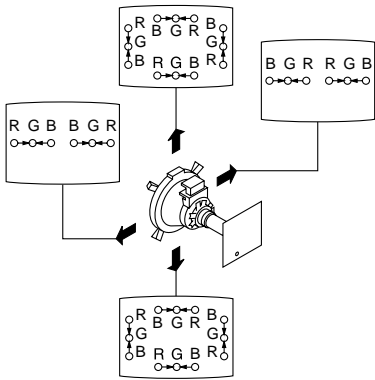


4. Return the deflection yoke to its original position.

Dynamic Convergence Adjustment

Before starting, perform Horizontal and Vertical Static Convergence Adjustment.

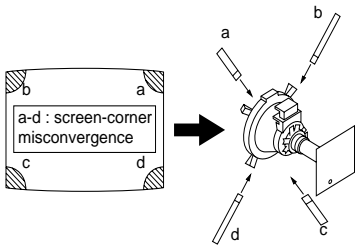
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown below:



- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

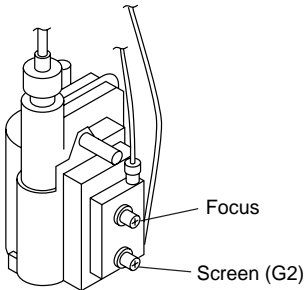
Screen-corner Convergence

Affix a permalloy assembly corresponding to the misconverged areas:



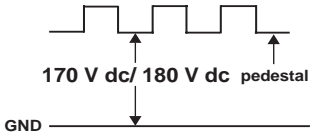
3-3. FOCUS

Adjust FOCUS control for best picture.



3-4. SCREEN (G2)

- 1. Input dot pattern from the pattern generator.
- 2. Set the PICTURE and BRIGHT controls at normal.
- 3. Adjust S BRT, G CUT, B CUT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are 170Vdc \pm 2.0Vdc for 35" and 180Vdc \pm 2.0Vdc for 32".
- 4. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.



3-5. WHITE BALANCE ADJUSTMENTS


| NO. | Disp. | Item | Avg/32" | Avg/35" |
|-----|-------|---------------|---------|---------|
| 16 | GDRV | Green Drive | 33 | 45 |
| 17 | BDRV | Blue Drive | 33 | 45 |
| 18 | GCUT | Green Cut-off | 3 | 6 |
| 19 | BCUT | Blue Cut-off | 2 | 6 |
| 23 | SBRT | Sub Bright | 14 | 10 |

- 1. Input an entire white signal.
- 2. Set to Service adjustment Mode.
- 3. Set DCOL to "0"
- 4. Set the PICTURE and BRIGHT to minimum.
- 5. Adjust with SBRT if necessary.
- 6. Select GCUT and BCUT with 1 and 4 .
- 7. Adjust with 3 and 6 for the best white balance.
- 8. Set the PICTURE and BRIGHT to maximum.
- 9. Select GDRV and BDRV with 1 and 4 .
- 10. Adjust with 3 and 6 for the best white balance.
- 11. Reset DCOL to "1".
- 12. Write into the memory by pressing **MUTING** then **ENTER** **.

SECTION 4

SAFETY RELATED ADJUSTMENTS

4-1. R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

Always perform the following adjustments when replacing the following components marked with a  mark on the schematic diagram:

A BOARD: IC351, IC501, D519, D520, D521, C531, C532, R387, R529, R530, R531, R532, R533, R550, T503

G BOARD: IC643, R661

Step 1 Preparation before Confirmation

Turn the POWER switch ON.

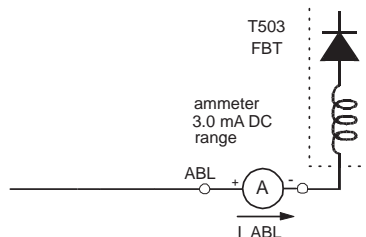
Input a white signal and set the PICTURE and BRIGHT controls to maximum.

Confirm that the voltage of more than 18.0 VDC appears between TP85 and ground on the A Board at AC Input: 120.0 ± 0.2 VAC.

Step 2

Input a white signal and verify that IABL is within the specified range: $2160 \pm 100 \mu\text{A}$ (KV-35S42/S66/V42) or $2000 \pm 100 \mu\text{A}$ (KV-32S42/S66/V42).

At AC input: 120.0 ± 2.0 VAC



Step 3

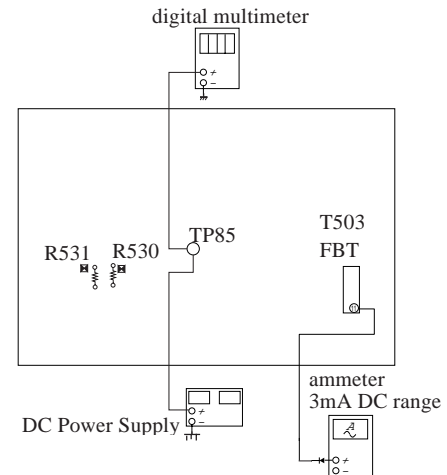
Record the voltage between TP85 and ground.

Step 4

Using an external DC power supply, apply voltage between TP85 and ground.

Increase the voltage gradually and confirm that the holddown works (raster disappears) at lower than the voltage recorded in Step 3.

Lower than $22.05 +0.0/-0.1$ VDC (KV-35S42/S66/V42) or $26.95 +0.0/-0.1$ VDC (KV-32S42/S66/V42) at AC input: 120.0 ± 2.0 VAC.




A BOARD - CONDUCTOR SIDE

Step 5

Confirm that a voltage of more than 18.0 VDC (KV-35S42/S66/V42) or 21.5 VDC (KV-32S42/S66/V42) appears between TP85 and ground at AC input: 120.0 ± 2.0 VAC

4-2. B+ VOLTAGE CONFIRMATION AND ADJUSTMENT

Always perform the following adjustments when replacing the following components marked with  on the schematic diagram:

G BOARD: IC643, R661

1. Using a Variac, apply AC input voltage: 130 ± 2.0 VAC
2. Input a monoscope signal.
3. Set the PICTURE control and the BRIGHT control to initial reset value.
4. Confirm the voltage of G BOARD CN641 between pin①to ground is less than 136.5 VDC.
5. If step 4 is not satisfied, replace the R661 and repeat the above steps.

SECTION 5
CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use the Remote Commander (RM-Y168) to perform the circuit adjustments in this section.

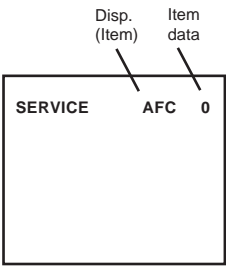
NOTE: Test Equipment Required:

- Pattern generator
- Frequency counter
- Digital multimeter
- Audio oscillator

5-1. Setting the Service Adjustment Mode

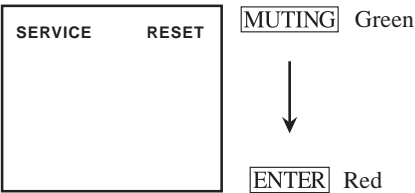
1. Standby mode. (Power off)
2. [Display] → Channel [5] → Sound volume [+] → Power on the Remote Commander. (Press each button within a second.)

Service Adjustment Mode In

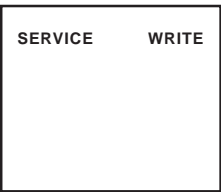


3. The CRT displays the item being adjusted.
4. Press [1] or [4] on the Remote Commander to select the item.
5. Press [3] or [6] on the Remote Commander to change the data.
6. Press [MUTING] then [ENTER] to write into memory**.

Service Adjustment Mode Memory



7. Press [8] then [ENTER] on the Remote Commander to initialize.



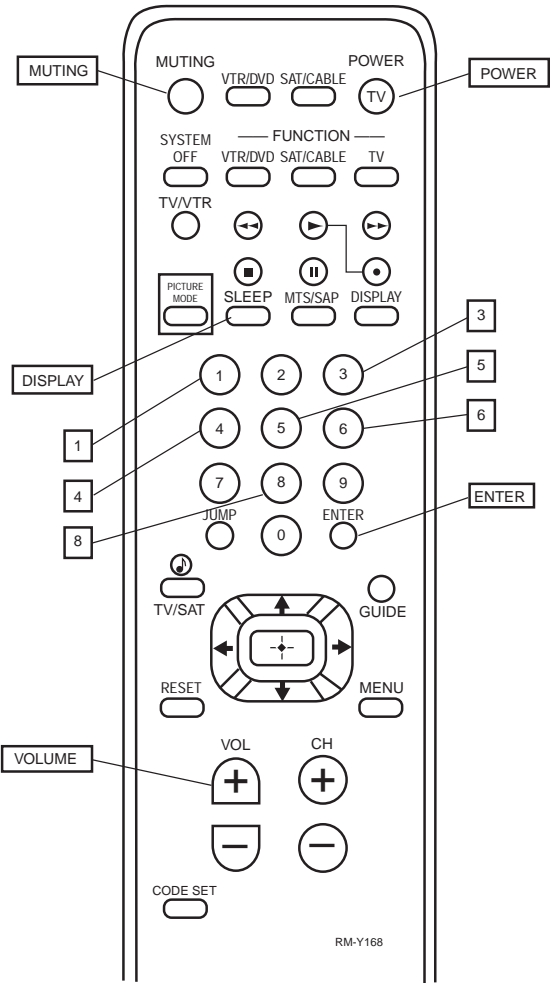
Carry out step 7 when adjusting IDs 0 to 4 and when replacing and adjusting IC002.

8. Turn set off and on to exit. * CAUTION: Wait at least 10 seconds before turning off set.

5-2. Memory Write Confirmation Method

1. After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again to confirm they were adjusted.

5-3. Adjust Buttons and Indicator



RM-Y168

**WARNING: Do NOT turn off the power or AC immediately after pressing [MUTING] then [ENTER]. Wait at least 10 seconds.

5-4. Adjustment Items

| No. | Register Name | Description | Data Range | Adj/Fix | Initial Data | Average Data** | | | | | Comments |
|-------------|---------------|--------------------------------------|------------|--------------|--------------|------------------------------------|---|-----|----|---|--|
| | | | | | | 32" | | 35" | | | |
| | | | | | | A/C | D | G | I | L | |
| VP CXA2095S | | | | | | | | | | | |
| 1 | VPOS | V-Position | 0-63 | Adj | 20 | 23 | | 33 | | | 0:Down, 63:Up |
| 2 | VSIZ | V-Size | 0-63 | Adj | 20 | 27 | | 52 | | | 0:Min, 63:Max |
| 3 | VCOM | V-Compensation | 0-3 | Fix | 1 | | 1 | | | | 0:Min, 3:Max |
| 4 | VLIN | V-Linearity | 0-15 | Adj | 7 | | 9 | | | | 0:Min, 15:Max |
| 5 | VSCO | S-Correction | 0-15 | Adj | 7 | 6 | | 9 | | | 0:Min, 15:Max |
| 6 | HPOS | H-Position | 0-15 | Adj | 7 | 11 | | 10 | | | 0:Right, 15:Left |
| 7 | HSIZ | H-Size | 0-63 | Adj | 20 | 23 | | 39 | | | 0:Min, 63:Max |
| 8 | PAMP | Pin Compensation | 0-63 | Adj | 31 | 27 | | 19 | | | 0:Min, 63:Max |
| 9 | UPIN | Upper Corner Pin | 0-15 | Adj | 7 | 4 | | 7 | | | 0:Min, 15:Max |
| 10 | LPIN | Lower Corner Pin | 0-15 | Adj | 7 | 6 | | 10 | | | 0:Min, 15:Max |
| 11 | PPHA | Pin Phase | 0-15 | Adj | 7 | 4 | | 5 | | | 0:Min(small picture), 15:Max |
| 12 | AFC | AFC | 0-3 | Fix | 2 | | 2 | | | | 0:Freerun, 1:Min, 3:Max |
| 13 | VBOW | AFC Bow | 0-15 | Adj | 7 | 6 | | 5 | | | 0:Right, 15:Left |
| 14 | VANG | AFC Angle | 0-15 | Adj | 7 | 6 | | 4 | | | 0:Right, 15:Left |
| 15 | REF | Reference Line | 0-3 | Fix | 2 | | 2 | | | | 0:22H(Rch), 3:16H(Rch) |
| 16 | GDRV | Green Drive | 0-63 | Adj | 31 | 22 | | 35 | | | 0:Min, 63:Max |
| 17 | BDRV | Blue Drive | 0-63 | Adj | 31 | 30 | | 26 | | | 0:Min, 63:Max |
| 18 | GCUT | Green Cutoff | 0-15 | Adj | 7 | 5 | | 8 | | | 0:Min, 15:Max |
| 19 | BCUT | Blue Cutoff | 0-15 | Adj | 7 | 7 | | 6 | | | 0:Min, 15:Max |
| 20 | SCON | Sub Contrast | 0-15 | Adj | 7 | 10 | | 8 | | | 0:Min, 15:Max |
| 21 | SHUE | Sub Hue (RF only) | 0-15 | Adj | 7 | 7(adjust flat - 1 step) | | | | | 0:+10deg, 15:-10deg |
| 22 | 1SHU | Sub Hue (composite & S-video) | 0-15 | Adj | 7 | 7 (same as SHUE adjusted value) | | | | | 0:+10deg, 15:-10deg |
| 23 | SCOL | Sub Color (RF only) | 0-15 | Adj | 7 | 11 (adjust flat + 2 steps) | | | | | 0:Min, 15:Max |
| 24 | 1SCO | Sub Color (composite & S-video) | 0-15 | Adj | 7 | 9 (SCOL adjusted flat, no offset) | | | | | 0:Min, 15:Max |
| 25 | SBRT | Sub Brightness | 0-63 | Adj | 31 | 26 | | | | | 0:Min, 63:Max |
| 26 | SSHP | Sub Sharpness (RF & Composite video) | 0-15 | Fix by model | 7 | 10 | | 10 | | | 0:Min, 15:Max |
| 27 | 1SSP | Sub Sharpness (S-video only) | 0-15 | Fix by model | 7 | 10 | | 10 | | | 0:Min, 15:Max |
| 28 | GMMA | Gamma Correction | 0-3 | Fix by model | 1 | 0 | | 0 | | | 0:Off, 1:Min, 3:Max |
| 29 | CDM2 | Countdown Mode 2 | 0-1 | Fix | 0 | 0 | | | | | 0: Normal 1: High Speed Countdown Response |
| 30 | EYSW | External Y Switch | 0-1 | Fix | 0 | 0 | | | | | 0: Normal 1: EYin disabled |
| 31 | DPIX | Dynamic Picture | 0,1 | Fix | 1 | 1 | | | | | 0:Off, 1:On |
| 32 | Y-DC | DC Transmission Ratio | 0,1 | Fix | 1 | 1 | | | | | 0:100%, 1:82% |
| 33 | ABLM | ABL Mode | 0,1 | Fix | 1 | 1 | | | | | 0:PictureABL, 1:Picture/BrightnessABL |
| 34 | AXIS | Color Demodulation Axis | 0,1 | Fix | 1 | 0 | | | | | 0:Japan, 1:US |
| 35 | NOTC | Chroma Trap Filter | 0,1 | Fix | 0 | 0 | | | | | 0:Off, 1:On |
| 36 | CROM | Chroma Trap Adjust | 0-15 | Fix | 7 | 7 | | | | | 0:+300kHz, 1:-300kHz |
| 37 | TOT | TOT Filter (RF only) | 0,1 | Fix | 1 | 1 | | | | | 0:Off, 1:On |
| 38 | 1TOT | TOT Filter (Composite & S-video) | 0,1 | Fix | 1 | 0 | | | | | 0:Off, 1:On |
| 39 | PREL | Pre/Overshoot Ratio (RF & Composite) | 0-3 | Fix by model | 3 | 1 | | | | | 0: 2:1, 3: 5:1 |
| 40 | 1PRE | Pre/Overshoot Ratio (S-video only) | 0-3 | Fix by model | 3 | 3 | | | | | 0: 2:1, 3: 5:1 |
| 41 | SHPF | Sharpness fo (RF & Composite) | 0-3 | Fix by model | 2 | 1 | | | | | 0:2.5MHz, 3:4.0MHz |
| 42 | 1SPF | Sharpness fo (S-video only) | 0-3 | Fix by model | 2 | 3 | | | | | 0:2.5MHz, 3:4.0MHz |
| 43 | RON | Red Off | 0,1 | Fix | 1 | 1 | | | | | 0:Off, 1:On |
| 44 | GON | Green Off | 0,1 | Fix | 1 | 1 | | | | | 0:Off, 1:On |
| 45 | BON | Blue Off | 0,1 | Fix | 1 | 1 | | | | | 0:Off, 1:On |
| 46 | DCOL | Dynamic Color | 0,1 | Fix | 0 | 1 (adjusted @ 0, but shipped as 1) | | | | | 0:Off, 1:On |
| 47 | CDMD | V Countdown Mode | 0,1 | Fix | 0 | 0 | | | | | 0:Auto, 1:Fix |
| 48 | HBSW | H Blanking Switch | 0,1 | Fix | 0 | 0 | | | | | 0:Off, 1:On |
| 49 | LBLK | Left Blanking | 0-15 | Fix | 0 | 7 | | | | | 0:Min, 15:Max |
| 50 | RBLK | Right Blanking | 0-15 | Fix | 0 | 7 | | | | | 0:Min, 15:Max |
| AP CXA2021 | | | | | | | | | | | |
| 51 | SVOL | Sub Volume | 0-15 | Fix | 0 | 6 | | | | | 0:-0 Volume steps, 15:-15 Volume steps |
| 52 | SBAL | Sub Balance | 0-15 | Fix | 7 | 7 | | | | | 0: +Right, 15:+Left |
| 53 | SBAS | Sub Bass | 0-15 | Fix by model | 7 | 8 | 7 | 8 | 10 | | 0:-7 Steps, 15: +8 steps |
| 54 | STRE | Sub Treble | 0-15 | Fix by model | 7 | 10 | 7 | 10 | 7 | | 0:-7 Steps, 15: +8 steps |
| MM1311/1313 | | | | | | | | | | | |
| 55 | AUSW | Audio Att Sw | 0,1 | Fix | 1 | 1 | | | | | 0:-6dB, 1:0dB (Only for VIDEO input) |

**AVERAGE DATA MODEL GROUPINGS:

32" A: KV-32S42
C: KV-32S66
D: KV-32V42

35" G: KV-35S42
I: KV-35S66
L: KV-35V42

Adjustment Items (cont.)

| No. | Register Name | Description | Data Range | Adj/Fix | Initial Data | Average Data** | | | | | Comments |
|-----------------------|---------------|--|------------|-------------|--------------|----------------|---|-----|---|---|---|
| | | | | | | 32" | | 35" | | | |
| | | | | | | A,C | D | G | I | L | |
| PI SDA9288 | | | | | | | | | | | |
| 56 | PYSD | Select Delay | 0-15 | Fix by P-bd | | 3 | | | | | 0:Right, 15:Left |
| 57 | PIPH | PIP H-position | 0-127 | Fix | 78 | 78 | | | | | 0:Right, 127:Left |
| 58 | PIPV | PIP V-position | 0-63 | Fix | 18 | 18 | | | | | 0:Up, 63:Down |
| 59 | PYDL | PIP Y-delay | 0-7 | Fix | 0 | 0 | | | | | 0:Right, 7:Left |
| 60 | PHDL | H-pulse delay | 0-15 | Fix by P-bd | 3 | 0 | | | | | 0:Right, 15:Left |
| 61 | PMVD | Main V-pulse delay | 0-31 | Fix | 16 | 16 | | | | | 7-21: Available (1-6/22-31 Not Avail) |
| 62 | PIVD | Inset V-pulse delay | 0-31 | Fix | 22 | 22 | | | | | 16-28 Available (1-15/29-31 Not Avail) |
| 63 | PCON | Inset Contrast | 0-15 | Fix | 7 | 6 | | | | | 0:Min, 15:Max |
| 64 | FRMY | Frame Y | 0-15 | Fix | 7 | 7 | | | | | 0:Dark, 15:Bright |
| 65 | CHRI | Input Polarity | 0,1 | Fix by P-bd | 1 | 1 | | | | | 0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y) |
| 66 | CHRO | Output Polarity | 0,1 | Fix | 1 | 1 | | | | | 0:+(B-Y)+(R-Y), 1:-(B-Y)-(R-Y) |
| 67 | IPER | Inset Pedestal R-Y | 0-15 | Fix | 0 | 0 | | | | | 0:Center, 7:Max, 8:Min |
| 68 | IPEB | Inset Pedestal B-Y | 0-15 | Fix | 0 | 0 | | | | | 0:Center, 7:Max, 8:Min |
| 69 | PCPS | CLPS Bit Control | 0,1 | Fix | 0 | 0 | | | | | 0:Depend on HSIDEL, 1:Not depend |
| 70 | PCPF | CLPFIX Bit Control | 0,1 | Fix | 0 | 0 | | | | | 0: 3Clamp line, 1: 2Clamp line |
| 71 | PSEL | SELDOWN Bit Control | 0,1 | Fix by P-bd | 1 | 1 | | | | | 0:Open out, 1:TTL out |
| 72 | PPLL | PLL Filter Bits | 0-3 | Fix | 0 | 0 | | | | | Fixed value only |
| 73 | PVNR | VSPISQ VSP NR | 0-1 | Fix | 0 | 1 | | | | | SDA9288 IC bypass use 1 |
| IC CXA2019 | | | | | | | | | | | |
| 74 | ISCO | CDec Sub Contrast | 0-15 | Fix | 7 | 15 | | | | | PiP sub contrast |
| 75 | ISHP | CDec Sharpness | 0-15 | Fix | 7 | 8 | | | | | PiP sharpness |
| 76 | ISCL | CDec Sub Color | 0-15 | Fix | 7 | 9 | | | | | PiP sub color |
| 77 | ISHU | CDec Sub Hue | 0-15 | Fix | 7 | 6 | | | | | PiP sub hue |
| 78 | ITOT | CDec TOT on | 0,1 | Fix | 0 | 1 | | | | | PiP TOT 0:Off, 1:On |
| 79 | IAFC | CDec AFC | 0-3 | Fix | 2 | 2 | | | | | 0:Max, 2:Min, 3:Freerun |
| 80 | ICD2 | CDec Countdown Mode2 | 0,1 | Fix | 0 | 0 | | | | | 0:Standard, 1:Fast |
| 81 | IYDR | CDec Y drive | 0-31 | Fix | 15 | 7 | | | | | PiP Y-drive gain |
| 82 | IVPE | CDec V pedestal | 0-15 | Fix | 7 | 6 | | | | | PiP V-ped DC |
| 83 | IUPE | CDec U pedestal | 0-15 | Fix | 7 | 6 | | | | | PiP U-ped DC |
| 84 | IRVP | CDec RV pedestal | 0-15 | Fix | 7 | 6 | | | | | PiP V-ped DC (re-input) |
| 85 | IRUP | CDec RU pedestal | 0-15 | Fix | 7 | 6 | | | | | PiP U-ped DC (re-input) |
| 86 | IDCT | CDec DC transfer | 0-7 | Fix | 2 | 0 | | | | | PiP DC transfer 0:Max, 7:Min |
| 87 | IRYD | CDec RY drive | 0-31 | Fix | 15 | 20 | | | | | PiP RY Drive (re-input) |
| 88 | IABO | CDec ABL off | 0,1 | Fix | 1 | 1 | | | | | PiP ABL (RY-OUT) 0:On, 1:Off |
| 89 | IPRE | CDec Pre/Over shoot | 0-3 | Fix | 3 | 3 | | | | | PiP Pre/over shoot 0: 1:1, 1: 4:1 |
| 90 | IRUD | CDec RU Drive | 0-31 | Fix | 15 | 20 | | | | | PiP RU-gain out 0:-6dB, 31:+3.3bD |
| 91 | IABL | CDec ABL | 0,1 | Fix | 1 | 1 | | | | | PiP ABL gain 0:Std, 1:Min |
| 92 | IABC | CDec ABL Cent | 0-3 | Fix | 1 | 1 | | | | | PiP ABL Center 0:Min, 1:Max |
| 93 | IRVD | CDec RV drive | 0-31 | Fix | 15 | 17 | | | | | PiP RY Drive (re-input) |
| 94 | IDLY | CDec Delay | 0-3 | Fix | 0 | 0 | | | | | PiP Y-delay 0:0ns, 1:60ns, 2:120ns, 3:180ns |
| 95 | ISCR | CDec SCP BGR | 0-3 | Fix | 0 | 0 | | | | | PiP SCP riseup phase 0:+0.4us, 1:cent, 2:-0.8us |
| 96 | ISCF | CDec SCP BGF | 0-3 | Fix | 0 | 0 | | | | | PiP SCP falldown phase 0:+0.4us, 1:cent, 2:-0.8us |
| PI + CD + PiP + Vchip | | | | | | | | | | | |
| 97 | PFRN | VCXO Oscillation | 0,1 | Fix | 0 | 0 | | | | | 0: Lock 1: Free Run...FREE_RUN |
| 98 | PRVS | HD/VD Input Synchronous Mode Selection | 0,1 | Fix | 0 | 0 | | | | | 0: Sync 1: Async...RVS |
| 99 | PCON | Sub-Contrast | 0-127 | Fix | 32 | 40 | | | | | 0: Min 127: Max...CONTRAST |
| 100 | PUCO | Sub U Level Control | 0-15 | Fix | 7 | 7 | | | | | 0: Min 15: Max...calculated |
| 101 | PVCO | Sub V Level Control | 0-15 | Fix | 7 | 7 | | | | | 0: Min 15: Max...calculated |
| 102 | PHUE | Hue | 0-31 | Fix | 15 | 11 | | | | | 0: Red 31: Green...calculated |
| 103 | PKIL | Color Killer | 0,1 | Fix | 0 | 0 | | | | | 0: Enable 1: Disable...KILLER |
| 104 | PSEP | C-Sync Sep Input Selection | 0-3 | Fix | 2 | 2 | | | | | 0: Digital 1:23pin in 2:ext 18p 3:int analog...EXT SC SEL |
| 105 | PDCO | Digital Sync Sep Threshold Setting | 0-3 | Fix | 0 | 0 | | | | | Threshold Setting...DCOUNT |
| 106 | PEXP | Ext Port Setting | 0-3 | Fix | 2 | 2 | | | | | 0/1: Sub BGP 2: "0" out 3: "1" out...EXPORT |
| 107 | PBGS | BGP Position Setting | 0-63 | Fix | 14 | 14 | | | | | Sub Picture BGP Position...BG_START |
| 108 | PYDL | Y/C Delay Adjust | 0-15 | Fix | 7 | 7 | | | | | Sub Picture Y/C Delay...YDL |
| 109 | PBRT | Y Brightness | 0-31 | Fix | 25 | 25 | | | | | Sub Picture Y Bright Control...Y_OFFSET |
| 110 | PVPE | V Pedestal Level | 0-15 | Fix | 0 | 0 | | | | | V Pedestal Level (2's comp)...PEDESTV |
| 111 | PUPE | U Pedestal Level | 0-15 | Fix | 0 | 0 | | | | | U Pedestal Level (2's comp)...PEDESTU |
| 112 | PACS | 0Dh/0Eh Setting Mode | 0,1 | Fix | 1 | 1 | | | | | |
| 113 | PSDL | Sync Delay | 0-3 | Fix | 0 | 0 | | | | | |
| 114 | PMVP | Macrovision Mode Selection | 0-3 | Fix | 0 | 0 | | | | | |
| 115 | PCGA | Chrome Gain Mode | 0,1 | Fix | 1 | 1 | | | | | |
| 116 | PBIT | Y Clamp Time Constant | 0,1 | Fix | 0 | 0 | | | | | |
| 117 | PAFC | AFC Time Constant | 0,1 | Fix | 0 | 0 | | | | | |

**AVERAGE DATA MODEL GROUPINGS:

32" A: KV-32S42
C: KV-32S66
D: KV-32V42

35" G: KV-35S42
I: KV-35S66
L: KV-35V42

Adjustment Items (cont.)

| No. | Register Name | Description | Data Range | Adj/Fix | Initial Data | Average Data** | | | | | Comments |
|-------------------|---------------|--|------------|--------------|--------------|----------------------------|-----|-----|---|---|--------------------------------------|
| | | | | | | 32" | | 35" | | | |
| | | | | | | A,C | D | G | I | L | |
| 118 | PACC | Color Decoder Amplitude | 0-63 | Fix | 15 | | 15 | | | | |
| 119 | PBUR | VCXO Mode Selection | 0,1 | Fix | 0 | | 0 | | | | |
| 120 | PEVE | Main Picture PAL-N | 0,1 | Fix | 0 | | 0 | | | | |
| 121 | PINW | Invert Sub Picture Field Definition | 0,1 | Fix | 0 | | 0 | | | | |
| 122 | PINR | Invert Main Picture Field Definition | 0,1 | Fix | 0 | | 0 | | | | |
| 123 | PREF | Main Picture Field Fix | 0,1 | Fix | 0 | | 0 | | | | |
| 124 | PARE | Auto 50/60 Hz Detection | 0,1 | Fix | 1 | | 1 | | | | |
| 125 | PAVE | Sub Picture Decode Mode | 0,1 | Fix | 0 | | 0 | | | | |
| 126 | PFRA | Freq Adj for Free Run Mode | 0-15 | Fix | 0 | | 0 | | | | |
| 127 | PPAL | Parameter Setting for PAL-M Judgement | 0-255 | Fix | 0 | | 0 | | | | |
| 128 | PHPO | Sub Picture H Position | 0-31 | Fix | 6 | | 15 | | | | |
| 129 | PVPO | Sub Picture V Position | 0-31 | Fix | 22 | | 22 | | | | |
| 130 | PHTI | Display Timing Adjustment | 0-15 | Fix | 10 | | 10 | | | | |
| 131 | PHAJ | Main/Sub Switch Delay Control | 0-15 | Fix | 2 | | 2 | | | | |
| 132 | PBGY | Background Y Level Setting | 0-15 | Fix | 0 | | 0 | | | | |
| 133 | PCRO | Sub Picture Read Mode | 0,1 | Fix | 0 | | 0 | | | | |
| 134 | PPAR | Threshold Control For Ident Judge of Subject | 0-63 | Fix | 2 | | 2 | | | | |
| 135 | PHPF | Y Output HPF | 0,1 | Fix | 1 | | 0 | | | | |
| 136 | PVCH | 15h, 16h, 17h Setting Mode | 0,1 | Fix | 0 | | 0 | | | | |
| 137 | PVON | Sub V-Chip Decode Mode | 0,1 | Fix | 1 | | 1 | | | | |
| 138 | PVLN | Sub V-Chip Slicer Line Select | 0-31 | Fix | 17 | | 17 | | | | |
| 139 | PVSB | Sub V-Chip Slicer Start Bit Detect Param | 0-255 | Fix | 64 | | 64 | | | | |
| 140 | PVLV | Sub V-Chip Data Slicer Level Param | 0-255 | Fix | 130 | | 130 | | | | |
| No. | Register Name | Description | Data Range | Adj/Fix | Initial Data | Average Data** | | | | | Comments |
| | | | | | | 32" | | 35" | | | |
| | | | | | | A,C | D | G | I | L | |
| CC CXP85840a-011s | | | | | | | | | | | |
| 141 | CRIL | CC CRI count low | 0-15 | Fix | 2 | | 2 | | | | 7 Clock Run-In Lower Limit (field 1) |
| 142 | CFLD | CC Caption Fixed Field Count | 0-15 | Fix | 5 | | 5 | | | | Fixed value only |
| 143 | CCDI | CC CCD int | 0-7 | Fix | 3 | | 3 | | | | Fixed value only |
| 144 | CRIP | CC CRI & polarity | 0-7 | Fix | 4 | | 4 | | | | Fixed value only |
| 145 | CRIT | CC CRI time constant | 0-3 | Fix | 1 | | 1 | | | | Fixed value only |
| 146 | CSB1 | CC Sync Slice Bias 1 | 0-3 | Fix | 3 | | 3 | | | | Fixed value only |
| 147 | CSB2 | CC Synce Slice Bias 2 | 0-7 | Fix | 4 | | 4 | | | | Fixed value only |
| 148 | CREP | CC CRI signal end position | 0-255 | Fix | 142 | | 142 | | | | Fixed value only |
| 149 | CDSD | CC Data start delay | 0-31 | Fix | 8 | | 8 | | | | Fixed value only |
| 150 | CCDS | CC Caption data threshold | 0-31 | Fix | 9 | | 9 | | | | Fixed value only |
| 151 | CHMK | CC P8_HMASK | 0-63 | Fix | 42 | | 42 | | | | Hmask |
| 152 | CHSY | CC P8_HSYC | 0-255 | Fix | 136 | | 136 | | | | Hsync |
| 153 | DISP | TV OSD H Position | 0-63 | Adj | 1 | | 23 | | | | 0:Off, 1:Left, 63: Right |
| 154 | RTCO | Rotation Coil | 0-63 | Fix | 32 | | 32 | | | | Fixed value only |
| ID MAP | | | | | | | | | | | |
| 155 | ID-0 | ID-0 (Language/Color Systems) | 0-255 | Fix by model | 89 | Refer to Feature ID Map | | | | | See ID map |
| 156 | ID-1 | ID-1 (Input/Output Configuration) | 0-255 | Fix by model | 55 | | | | | | See ID map |
| 157 | ID-2 | ID-2 (Audio) | 0-255 | Fix by model | 175 | | | | | | See ID map |
| 158 | ID-3 | ID-3 (OSD/Timer/V-chip/Ch Fix) | 0-255 | Fix by model | 0 | | | | | | See ID map |
| 159 | ID-4 | ID-4 (CC/Spot Killer/etc) | 0-255 | Fix by model | 155 | | | | | | See ID map |
| 160 | ID-5 | ID-5 (V-series Features/etc) | 0-255 | Fix by model | 141 | | | | | | See ID map |
| 161 | ID-6 | ID-6 (PiP/Ant Sw related) | 0-255 | Fix by model | 6 | | | | | | See ID map |
| 162 | ID-7 | ID-7 (Special Models/etc) | 0-255 | Fix by model | 0 | | | | | | See ID map |

**AVERAGE DATA MODEL GROUPINGS:

| | | | |
|------------|--------------------|------------|--------------------|
| 32" | A: KV-32S42 | 35" | G: KV-35S42 |
| | C: KV-32S66 | | I: KV-35S66 |
| | D: KV-32V42 | | L: KV-35V42 |

SERVICE IDO 25

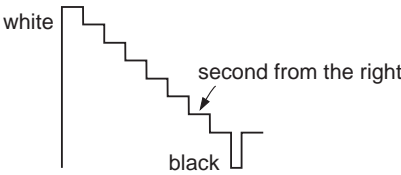
Note: Items 1-162 show adjustment order

5-5. Feature ID Map

| | Destination | ID-0 | ID-1 | ID-2 | ID-3 | ID-4 | ID-5 | ID-6 | ID-7 |
|----------|-------------|------|------|------|------|------|------|------|------|
| KV-32S42 | (US) | 25 | 17 | 31 | 106 | 11 | 129 | 0 | 0 |
| KV-32S42 | (CND) | 89 | 17 | 31 | 58 | 11 | 129 | 0 | 0 |
| KV-32S66 | (US) | 25 | 21 | 31 | 106 | 11 | 133 | 6 | 0 |
| KV-32S66 | (CND) | 89 | 21 | 31 | 58 | 11 | 133 | 6 | 0 |
| KV-32V42 | (US) | 25 | 23 | 175 | 106 | 11 | 129 | 0 | 0 |
| KV-35S42 | (US) | 25 | 17 | 31 | 106 | 139 | 129 | 0 | 0 |
| KV-35S42 | (CND) | 89 | 17 | 31 | 58 | 139 | 129 | 0 | 0 |
| KV-35S66 | (US) | 25 | 21 | 31 | 106 | 139 | 133 | 6 | 0 |
| KV-35S66 | (CND) | 89 | 21 | 31 | 58 | 139 | 133 | 6 | 0 |
| KV-35V42 | (US) | 25 | 23 | 175 | 106 | 139 | 129 | 0 | 0 |

SUB BRIGHT ADJUSTMENT (SBRT)

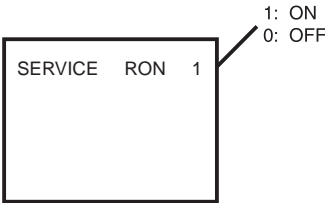
- 1. Set to Service adjustment Mode.
- 2. Input a gray scale pattern signal.
- 3. Set the PICTURE to minimum, and BRIGHT to normal.
- 4. Select SBRT with [1] and [4].
- 5. Adjust SUB BRIGHT level with [3] and [6] so that the stripe second from the right is faintly visible.
- 6. Write into the memory by pressing [MUTING] then [ENTER]**.



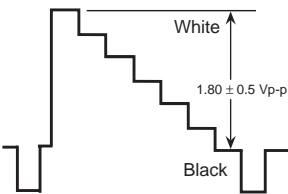
SUB CONTRAST ADJUSTMENT (SCON)

- 1. Input a color-bar signal.
- 2. Set to Service adjustment Mode.
- 3. Select the item DCOL to "0" level.
- 4. Set the conditions as follows.

PICTURE MAX
COLOR MIN
BRIGHT CENTER
R ON ON (1)
G ON OFF (0)
B ON OFF (0)



- 5. Connect an oscilloscope probe to C Board, CN1761 pin 1 (RED OUT).
- 6. Select SCON with [1] and [4].
- 7. Adjust with [3] and [6] for: 1.80 ± 0.05 Vp-p.



- 8. Reset the item DCOL to "1" level.
- 9. Write the memory by pressing [MUTING] then [ENTER]**.

- 10. Return the following back to normal after adjustment.

PICTURE MAX
COLOR MIN
BRIGHT CENTER
R ON ON (1)
G ON ON (1)
B ON ON (1)

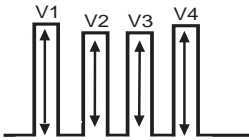
DISPLAY POSITION ADJUSTMENT (DISP)

- 1. Input a color-bar signal.
- 2. Set to Service adjustment Mode.
- 3. Select DISP with [1] and [4].
- 4. Adjust with [3] and [6] for adjustment of characters to center.
- 5. Write the memory by pressing [MUTING] then [ENTER]**.



SUB HUE, SUB COLOR ADJUSTMENT (SHUE, SCOL)

- 1. Input a color-bar signal.
- 2. Set to Service adjustment Mode.
- 3. Connect oscilloscope probe to C Board, CN1761 Pin3 (BLUE OUT).
- 4. Select SHUE and SCOL with [1] and [4].
- 5. Adjust with [3] and [6] for the $V1 = V4 \pm 0.1$ Vp-p (SCOL) and $V2 = V3 \pm 0.1$ Vp-p (SHUE).



- 6. Change data according to the following table:

| | SCOL | SHUE |
|-----|----------|----------|
| 32" | +2 steps | -1 steps |
| 35" | +2 steps | -1 steps |

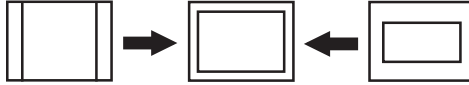
- 7. Write into the memory by pressing [MUTING] then [ENTER]**.

**WARNING: Do NOT turn off the power or AC immediately after pressing [MUTING] then [ENTER]. Wait at least 10 seconds.

V. SIZE ADJUSTMENT (VSIZ)

1. Input a cross-hatch signal.
2. Set to Service Adjustment mode.
3. Select VSIZ with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best vertical size.

V SIZE



V. POSITION ADJUSTMENT (VPOS)

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VPOS with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best vertical center.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]****.

V POSITION



H. POSITION ADJUSTMENT (HPOS)

1. Input a cross-hatch signal.
2. Set the Service Adjustment Mode.
3. Select HPOS with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best horizontal center.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]****.

H. POSITION



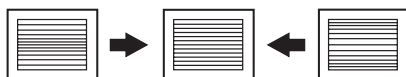
V LINEARITY (VLIN), V CORRECTION (VSCO), PIN AMP (PAMP) AND PIN PHASE (PPHA) ADJUSTMENTS

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VLIN, VSCO, PAMP, and PPHA with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best picture.
5. Write the memory by Pressing **[MUTING]** then **[ENTER]****.

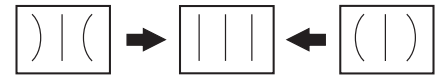
V LINEARITY (VLIN)



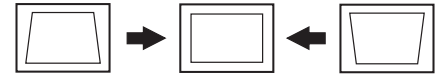
VS CORRECTION (VSCO)



PIN AMP (PAMP)



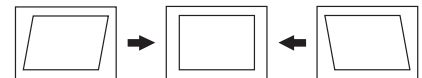
PIN PHASE (PPHA)



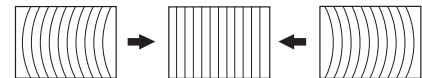
V ANGLE (VANG), V BOW (VBOW), UPPER PIN (UPIN) AND LOW PIN (LPIN) ADJUSTMENTS

1. Input a cross hatch signal.
2. Set to Service adjustment Mode.
3. Select VVANG, VBOW, UPIN, and LPIN with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best picture.
5. Write the memory by Pressing **[MUTING]** then **[ENTER]****.

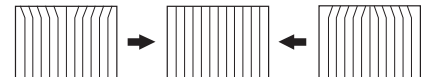
V ANGLE (VANG)



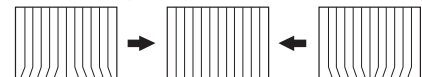
V BOW (VBOW)



UPPER PIN (UPIN)



LOW PIN (LPIN)



P BOARD ADJUSTMENTS

PIP V. POSITION (PIPV), PIP H. POSITION (PIPH)

1. Input a color bar signal.
2. Set to service adjustment mode.
3. Select PHOP with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best balanced position at four corner P in P display position.
5. Adjust P in P put at lower right position.
6. Write the memory by Pressing **[MUTING]** then **[ENTER]****.

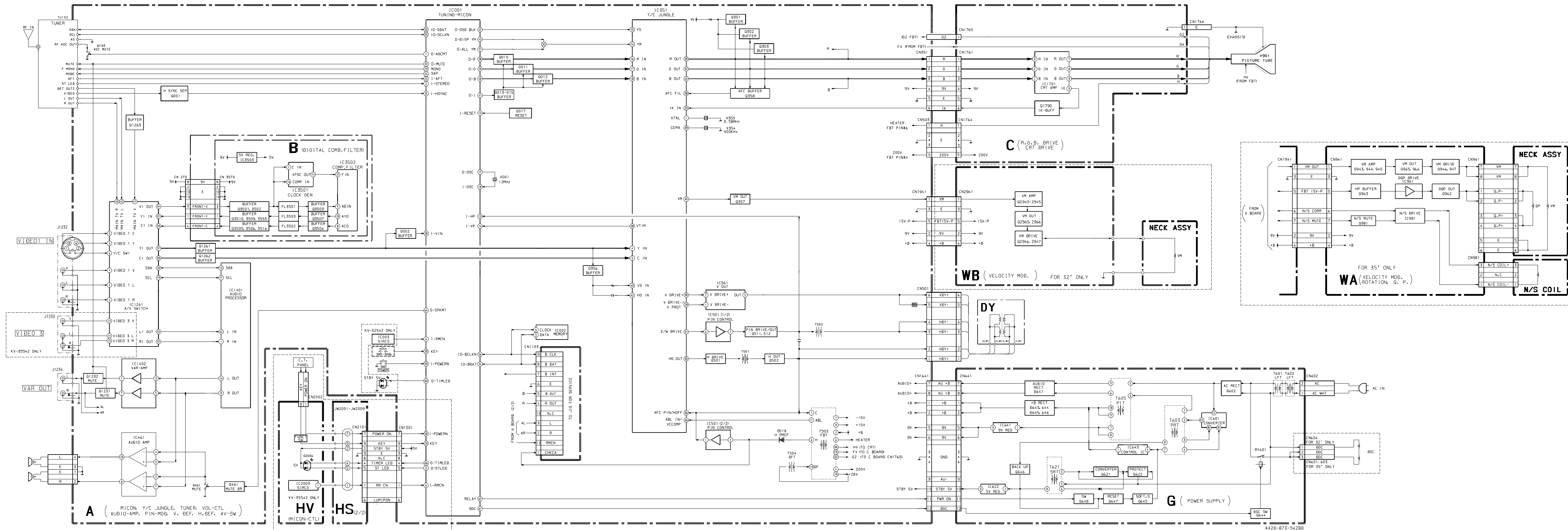
****WARNING:** Do NOT turn off the power or AC immediately after pressing **[MUTING]** then **[ENTER]**. Wait at least 10 seconds.

NOTES:

[illegible]

6.1 BLOCK DIAGRAM (1/1) (KV-32S42/35S42 ONLY)

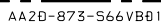
SECTION 6 DIAGRAMS



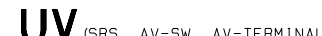
6.2.1 BLOCK DIAGRAM (1/2)

(KV-32S66/32V42/35S66/35V42 ONLY)

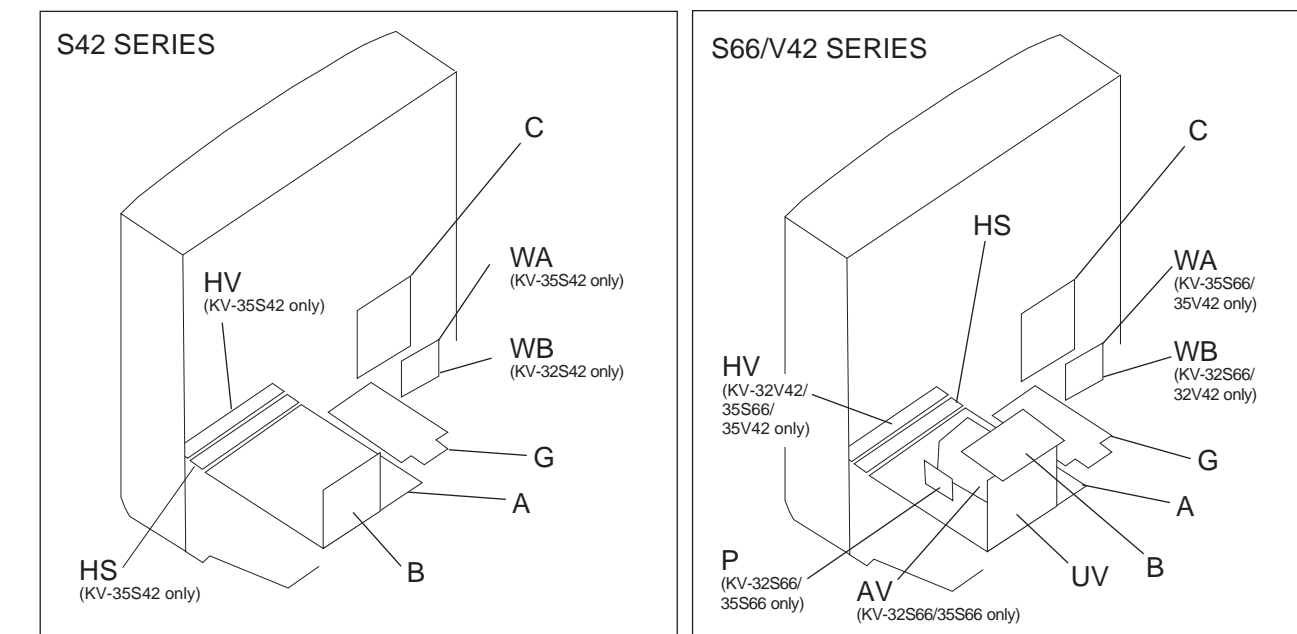
A (1/2) { MICON, Y/C JUNGLE, TUNER, VOL-CTL, AUDIO-AMP, PIN-MOD, V. DEF, H. DEF, AV-SW }



(KV-32S66/32V42/35S66/35V42 ONLY)






6-3. CIRCUIT BOARDS LOCATION






6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS


- All capacitors are in μF unless otherwise noted. $\text{pF} : \mu\text{pF}$ 50WV or less are not indicated except for electrolytics and tantalums.
- All electrolytics are in 50V unless otherwise specified.
- All resistors are in ohms.
 $K\Omega=1000\Omega$, $M\Omega=1000K\Omega$
- Indication of resistance, which does not have for rating electrical power, is as follows. Pitch: 5mm


-  : B+line.
-  : B-line.
(Actual measured value may be different).
-  : signal path. (RF)
- Circled numbers are waveform references



Reference information

| | | |
|-----------|--------|--------------------------|
| RESISTOR | :RN | METAL FILM |
| | :RC | SOLID |
| | :FPRD | NONFLAMMABLE CARBON |
| | :FUSE | NONFLAMMABLE FUSIBLE |
| | :RW | NONFLAMMABLE WIREWOUND |
| | :RS | NONFLAMMABLE METAL OXIDE |
| | :RB | NONFLAMMABLE CEMENT |
| | :⌘ | ADJUSTMENT RESISTOR |
| COIL | :LF-8L | MICRO INDUCTOR |
| CAPACITOR | :TA | TANTALUM |
| | :PS | STYROL |
| | :PP | POLYPROPYLENE |
| | :PT | MYLAR |
| | :MPS | METALIZED POLYESTER |
| | :MPP | METALIZED POLYPROPYLENE |
| | :ALB | BIPOLAR |
| | :ALT | HIGH TEMPERATURE |
| | :ALR | HIGH RIPPLE |

The symbol  display is on the component side. The components identified by shading and mark  are critical for safety. Replace only with part number specified. The symbol  indicate fast operating fuse. Replace only with fuse of same rating as marked.

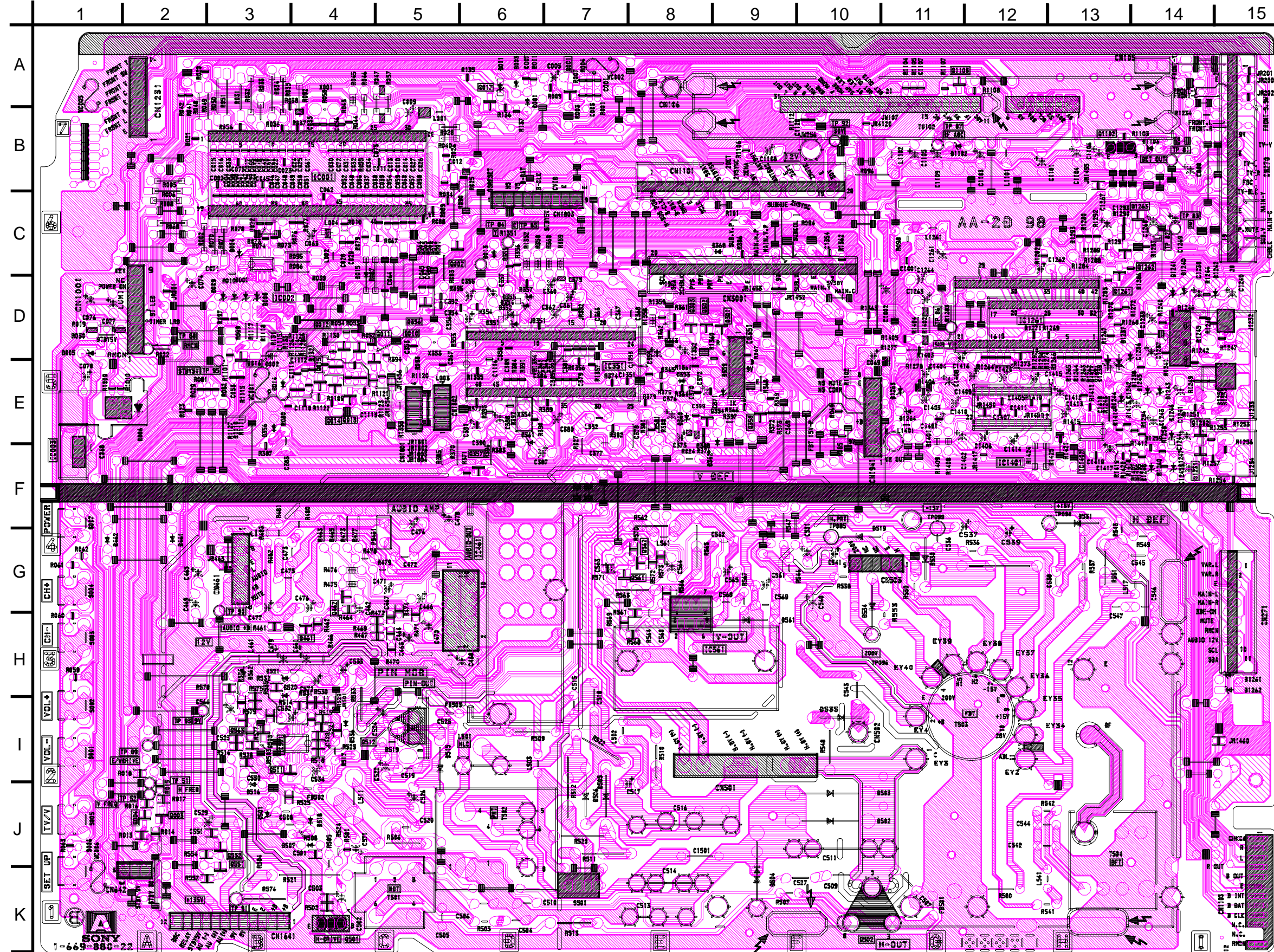
Les composants identifiés par un tréfilé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole  indique une fusible à action rapide. Doit être remplacé par une fusible de même valeur, comme marqué.

| Part replaced () | Adjustment () |
|--|--|
| IC351, IC501, D519, D520, D521 C531, C532, R387, R529, R530, R531, R532, R533, R550, T503.....A BOARD IC643, R661.....G BOARD | R530, R531 |

A

[MICON, Y/C/J, TUNER, VOL-CTL, AUDIO AMP, PIN-MOD, V-DEF, H-DEF, AV-SW] (KV-32S42/32V42 ONLY)

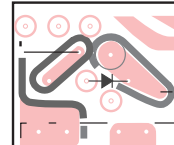


A BOARD LOCATOR LIST
(KV-32S42/32V42 ONLY)

| DIODE | TRANSISTOR |
|-----------|------------|
| D001 B6 | Q001 A7 |
| D002 E3 | Q002 C6 |
| D003 A6 | Q003 J2 |
| D004 C3 | Q004 J2 |
| D005 D1 | Q010 E4 |
| D006 E2 | Q011 E4 |
| D011 A6 | Q012 D4 |
| D013 C6 | Q013 E4 |
| D014 E3 | Q014 E4 |
| D015 D4 | Q015 E4 |
| D353 E8 | Q016 E3 |
| D356 E3 | Q017 B6 |
| D360 E8 | Q301 D9 |
| D362 E9 | Q302 D8 |
| D368 C9 | Q303 D8 |
| D462 G1 | Q354 E8 |
| D501 J3 | Q356 D5 |
| D502 J10 | Q357 F6 |
| D503 I10 | Q358 E9 |
| D504 J9 | Q461 H4 |
| D505 J7 | Q462 G4 |
| D506 J7 | Q501 K4 |
| D507 J4 | Q502 K10 |
| D515 I5 | Q511 I4 |
| D516 I3 | Q512 I5 |
| D518 J4 | Q551 J2 |
| D519 G10 | Q552 J2 |
| D520 H3 | Q561 G7 |
| D521 H3 | Q562 G7 |
| D530 G11 | Q563 I3 |
| D531 F13 | Q1102 B13 |
| D534 G10 | Q1103 A11 |
| D536 I4 | Q1231 F14 |
| D561 G9 | Q1232 E13 |
| D562 H3 | Q1261 C13 |
| D1102 B11 | Q1262 C13 |
| D1103 B14 | Q1263 C13 |
| D1247 F14 | CRYSTAL |
| D1248 E14 | X001 A4 |
| D1261 H15 | X353 D5 |
| D1262 H15 | X354 E6 |
| D1263 E11 | |
| D1264 E11 | |

: Not Mounted

| IC |
|------------|
| IC001 C4 |
| IC002 D3 |
| IC003 F1 |
| IC351 E7 |
| IC461 G6 |
| IC501 I3 |
| IC561 H8 |
| IC1261 D12 |
| IC1401 E12 |
| IC1402 E13 |



NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

A BOARD LOCATOR LIST
(KV-32S66 ONLY)

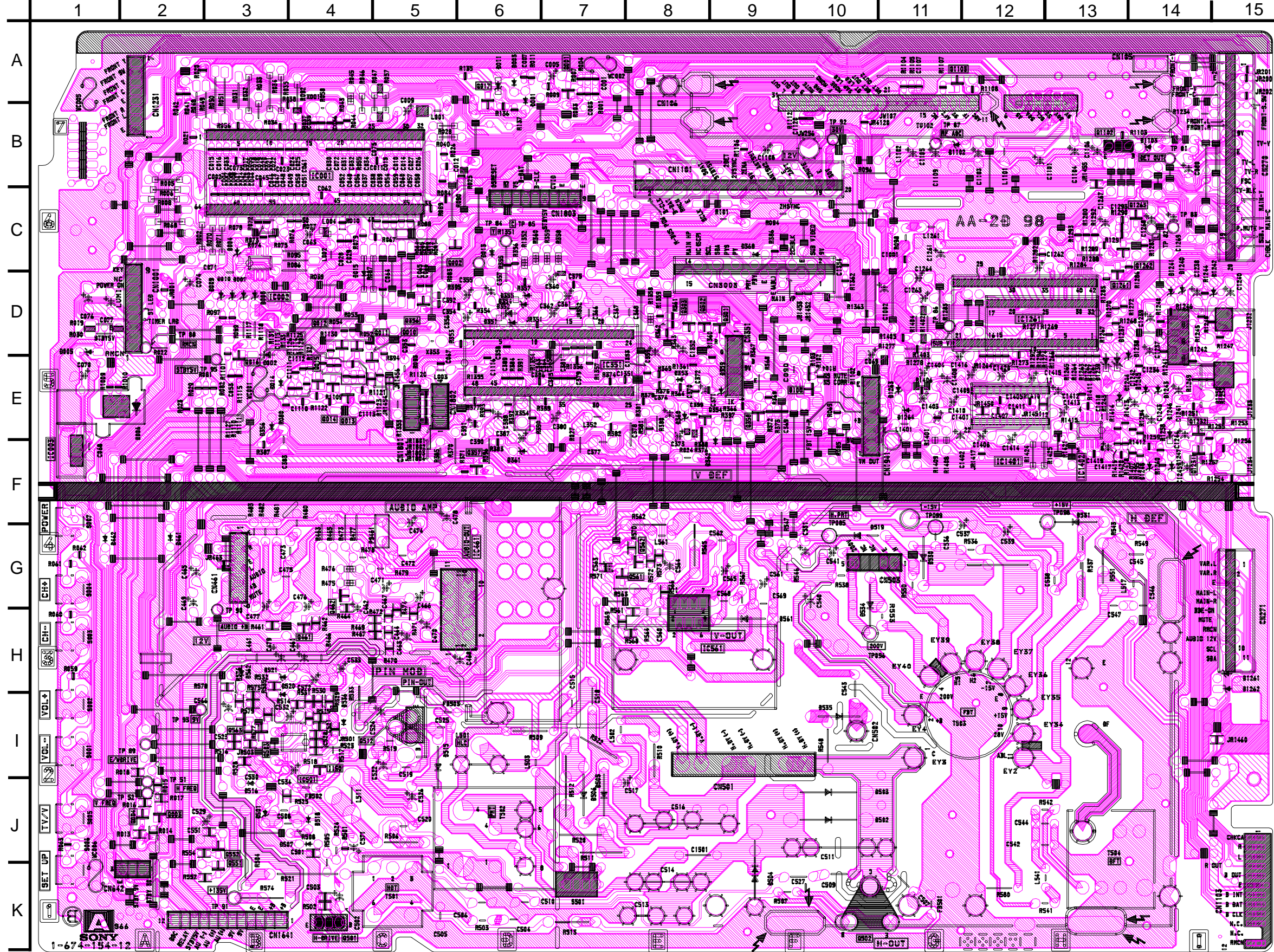
| DIODE | TRANSISTOR |
|-----------|------------|
| D001 B6 | Q001 A7 |
| D002 E3 | Q002 C6 |
| D003 A6 | Q003 J2 |
| D004 C3 | Q004 J2 |
| D005 D1 | Q010 E4 |
| D006 E2 | Q011 E4 |
| D011 A6 | Q012 D4 |
| D013 C6 | Q013 E4 |
| D014 E3 | Q014 E4 |
| D015 D4 | Q015 E4 |
| D353 E8 | Q016 E3 |
| D356 E3 | Q017 B6 |
| D360 E8 | Q018 E10 |
| D362 E9 | Q301 D9 |
| D368 C9 | Q302 D8 |
| D462 G1 | Q303 D8 |
| D501 J3 | Q354 E8 |
| D502 J10 | Q356 D5 |
| D503 I10 | Q357 F6 |
| D504 J9 | Q358 E9 |
| D505 J7 | Q461 H4 |
| D506 J7 | Q462 G4 |
| D507 J4 | Q501 K4 |
| D515 I5 | Q502 K10 |
| D516 I3 | Q511 I4 |
| D518 J4 | Q512 I5 |
| D519 G10 | Q551 J2 |
| D520 H3 | Q552 J2 |
| D521 H3 | Q561 G7 |
| D530 G11 | Q562 G7 |
| D531 F13 | Q563 I3 |
| D534 G10 | Q1102 B13 |
| D536 I4 | Q1103 A11 |
| D561 G9 | Q1231 F14 |
| D562 H3 | Q1232 E14 |
| D1102 B11 | Q1261 C13 |
| D1103 B14 | Q1262 C13 |
| D1247 F14 | Q1263 C13 |
| D1248 E14 | CRYSTAL |
| D1261 H15 | X001 A4 |
| D1262 H15 | X353 D5 |
| D1263 E11 | X354 E6 |
| D1264 E11 | |

: Not Mounted

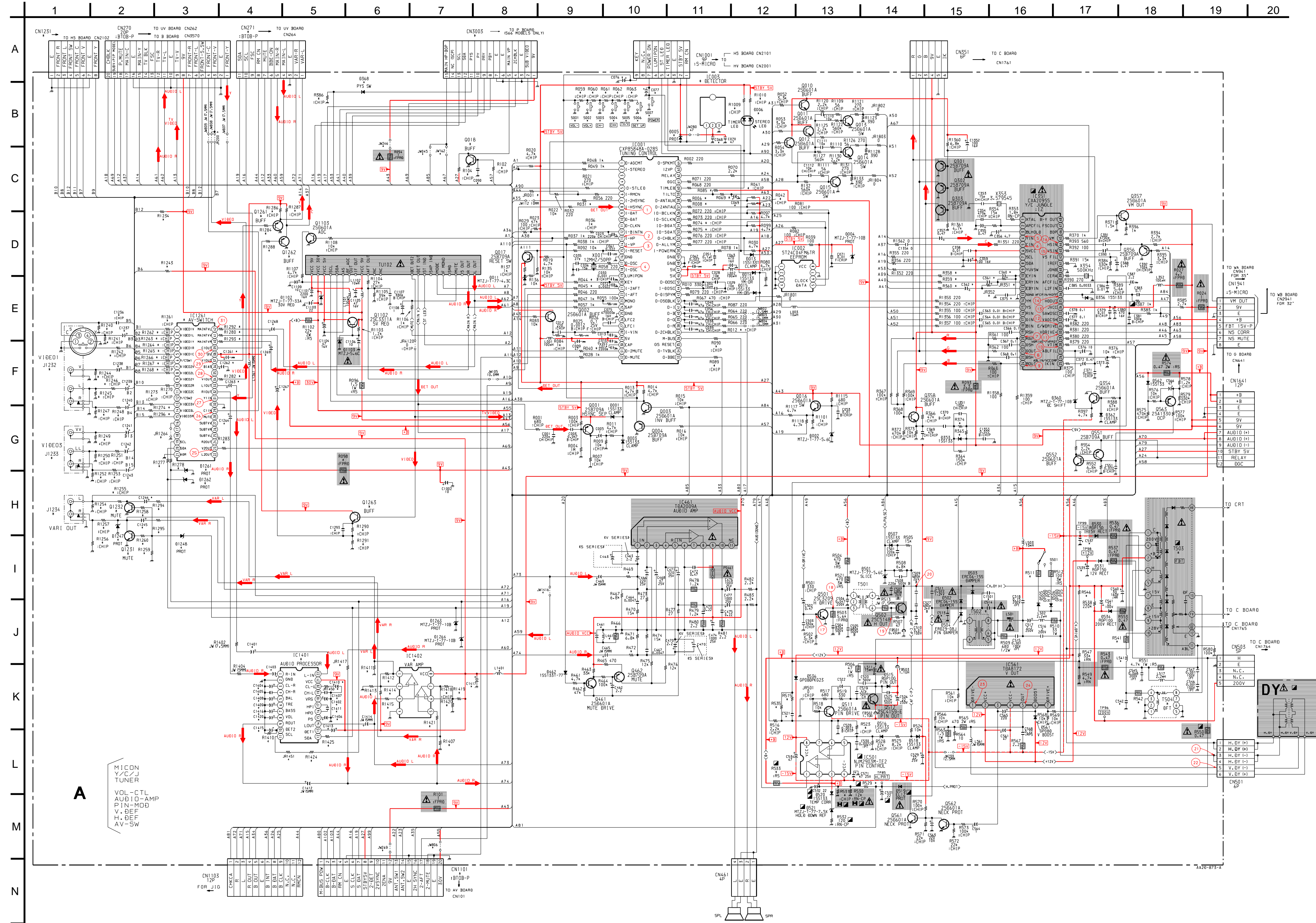
| IC |
|------------|
| IC001 C4 |
| IC002 D3 |
| IC003 F1 |
| IC351 E7 |
| IC461 G6 |
| IC501 I3 |
| IC561 H8 |
| IC1261 D12 |
| IC1401 E12 |
| IC1402 E13 |

A

[MICON, Y/C/J, TUNER, VOL-CTL, AUDIO AMP, PIN-MOD, V-DEF, H-DEF, AV-SW] (KV-32S66 ONLY)



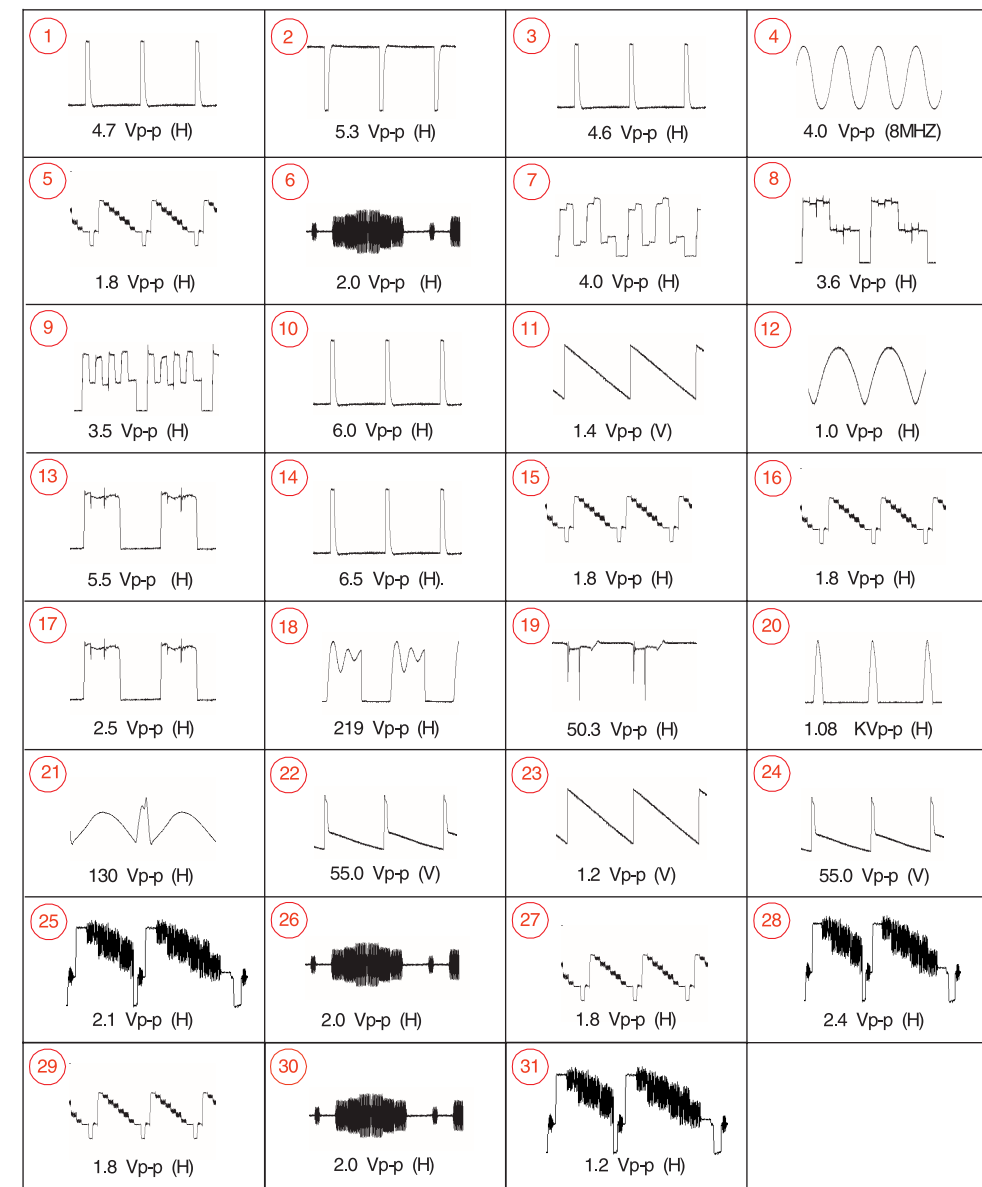
A BOARD SCHEMATIC DIAGRAM



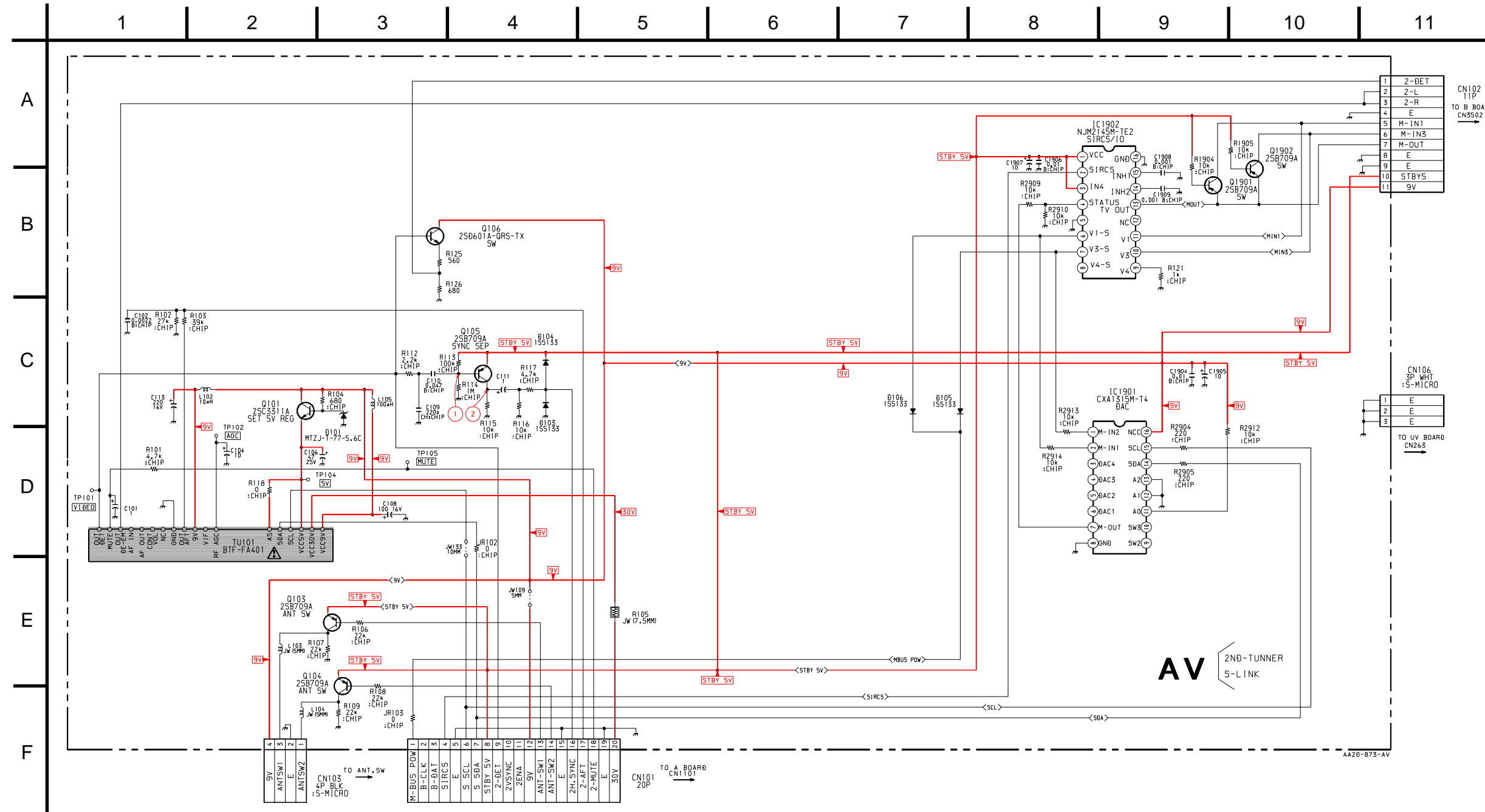
A BOARD MARK (*) LIST

| REF # | LOC | KV-32S42 | KV-32S66 | KV-32V42 | KV-35S42 | KV-35S66 | KV-35V42 | REF # | LOC | KV-32S42 | KV-32S66 | KV-32V42 | KV-35S42 | KV-35S66 | KV-35V42 |
|--------|------|--------------|-----------|----------|-----------|-----------|------------------|-------|-----|--------------|----------|----------|----------|----------|----------|
| C068 | B11 | # | 0.01uF | # | # | # | # | R069 | C11 | # | # | # | # | 10K | 10K |
| C069 | C11 | # | # | # | # | 10uF | 10uF | R074 | D11 | 220 | 100 | 220 | 220 | 100 | 220 |
| C076 | A9 | # | # | # | # | # | 1uF | R075 | D11 | 220 | 100 | 220 | 220 | 100 | 220 |
| C077 | A10 | # | # | # | # | # | 1uF | R085 | C11 | # | # | # | 10K | 10K | 10K |
| C090 | C7 | # | 0.0047uF | # | # | 0.0047uF | # | R089 | F11 | # | # | 220 | # | # | 220 |
| C360 | D15 | # | 0.1uF | # | # | 0.1uF | # | R090 | F11 | # | 220 | # | # | 220 | # |
| C361 | D15 | # | 0.1uF | # | # | 0.1uF | # | R098 | G5 | 2.2 | # | 2.2 | 2.2 | # | 2.2 |
| C362 | D15 | # | 0.1uF | # | # | 0.1uF | # | R102 | C8 | # | # | # | # | 47K | # |
| C370 | F15 | 0.022uF | 0.022uF | 0.022uF | 0.047uF | 0.047uF | 0.047uF | R104 | C7 | # | # | # | # | 47K | # |
| C375 | E15 | 0.1uF | 0.1uF | 0.1uF | 0.1uF | 0.1uF | # | R358 | D15 | # | 220 | # | # | 220 | # |
| C461 | J9 | 100uF | 100uF | 100uF | 100uF | 100uF | 100uF | R359 | D15 | # | 220 | # | # | 220 | # |
| C513 | J14 | 0.056uF | 0.056uF | 0.056uF | 0.033uF | 0.033uF | 0.033uF | R360 | D15 | # | 220 | # | # | 220 | # |
| C514 | J15 | 0.62uF | 0.62uF | 0.62uF | 0.62uF | 0.62uF | 0.62uF | R365 | G15 | 150K | 150K | 150K | 100K | 100K | 100K |
| C520 | K13 | 1000PF | 1000PF | 1000PF | 0.0022uF | 0.0022uF | 0.0022uF | R374 | G15 | 1.5M | 1.5M | 1.5M | 1M | 1M | 1M |
| C521 | K12 | 0.0022uF | 0.0022uF | 0.0022uF | 0.0033uF | 0.0033uF | 0.0033uF | R386 | B5 | # | 1K | # | # | 1K | # |
| C537 | I17 | 470uF | 470uF | 470uF | 1000uF | 1000uF | 1000uF | R466 | J9 | 3.9 | 3.9 | 2.2 | 3.9 | 3.9 | 3.9 |
| C539 | I17 | 470uF | 470uF | 470uF | 1000uF | 1000uF | 1000uF | R469 | I10 | 6.8K | 1.8K | 1.8K | 4.7K | 1.8K | 1.8K |
| C542 | K17 | # | # | 0.047uF | 0.047uF | 0.047uF | 0.047uF | R472 | J10 | 6.8K | 1.8K | 1.8K | 4.7K | 1.8K | 4.7K |
| C1236 | E2 | 0.01uF | # | 0.01uF | # | # | # | R511 | I16 | 68 | 68 | 68 | 100 | 100 | 100 |
| C1237 | E2 | 0.047uF | # | 0.047uF | # | # | # | R515 | K12 | 27K | 27K | 27K | 15K | 15K | 15K |
| C1238 | F2 | 0.047uF | # | 0.047uF | # | # | # | R523 | K13 | 10K | 10K | 10K | 8.2K | 8.2K | 8.2K |
| C1239 | F2 | 1uF | # | 1uF | # | # | # | R529 | L13 | 22K | 22K | 22K | 18K | 18K | 18K |
| C1240 | F2 | 1uF | # | 1uF | # | # | # | R531 | L13 | 68K | 68K | 68K | 220K | 220K | 220K |
| C1241 | G2 | # | # | 0.047uF | # | # | # | R533 | L12 | 47K | 47K | 47K | 33K | 33K | 33K |
| C1242 | G2 | # | # | 1uF | # | # | # | R535 | K12 | 150K | 150K | 150K | 180K | 180K | 180K |
| C1243 | H2 | # | # | 1uF | # | # | # | R541 | J17 | # | # | # | 0.47 | 0.47 | 0.47 |
| C1244 | H2 | 0.47uF | # | 0.47uF | # | # | # | R542 | K17 | # | # | # | 22 | 22 | 22 |
| C1245 | H2 | 0.47uF | # | 0.47uF | # | # | # | R546 | I17 | 22K | 22K | 22K | 18K | 18K | 18K |
| C1261 | F4 | 47uF | # | 47uF | # | # | # | R1009 | B11 | 220 | # | # | # | # | # |
| C1262 | F4 | 47uF | # | 47uF | # | # | # | R1010 | B12 | 220 | # | # | # | # | # |
| C1263 | F4 | 1uF | # | 1uF | # | # | # | R1234 | D3 | 100K | # | # | 100K | # | # |
| C1264 | G3 | 1uF | # | 1uF | # | # | # | R1240 | E2 | 75 | # | # | 75 | # | # |
| C1267 | F5 | 0.047uF | # | 0.047uF | # | # | # | R1241 | E2 | 75 | # | # | 75 | # | # |
| C1268 | E4 | 1uF | # | 1uF | # | # | # | R1242 | F2 | 4.7K | # | # | 4.7K | # | # |
| C1269 | F4 | 1uF | # | 1uF | # | # | # | R1243 | D3 | 100K | # | # | 100K | # | # |
| C1293 | H5 | 100PF | # | 100PF | # | # | # | R1244 | F2 | 75 | # | # | 75 | # | # |
| C1401 | J4 | 0.47uF | # | 0.47uF | # | # | # | R1245 | F2 | 470K | # | # | 470K | # | # |
| C1402 | K5 | 47uF | # | 47uF | # | # | # | R1246 | F2 | 4.7K | # | # | 4.7K | # | # |
| C1403 | J4 | 0.47uF | # | 0.47uF | # | # | # | R1247 | G2 | 470K | # | # | 470K | # | # |
| C1404 | K4 | 0.1uF | # | 0.1uF | # | # | # | R1248 | G2 | 4.7K | # | # | 4.7K | # | # |
| C1405 | K4 | 0.0047uF | # | 0.0047uF | # | # | # | R1249 | G2 | # | # | # | 75 | # | # |
| C1406 | K5 | 0.1uF | # | 0.1uF | # | # | # | R1250 | G2 | # | # | # | 470K | # | # |
| C1407 | K5 | 0.0047uF | # | 0.0047uF | # | # | # | R1251 | G2 | # | # | # | 4.7K | # | # |
| C1408 | K4K4 | 4.7uF | # | 4.7uF | # | # | # | R1252 | H2 | # | # | # | 470K | # | # |
| C1409 | K4 | 4.7uF | # | 4.7uF | # | # | # | R1253 | H2 | # | # | # | 4.7K | # | # |
| C1410 | K5 | 0.1uF | # | 0.1uF | # | # | # | R1254 | H2 | 470K | # | # | 470K | # | # |
| C1411 | K5 | 0.1uF | # | 0.1uF | # | # | # | R1255 | H2 | 1K | # | 0 | 1K | # | 0 |
| C1413 | K5 | 4.7uF | # | 4.7uF | # | # | # | R1256 | I2 | 470K | # | # | 470K | # | # |
| C1415 | K4 | 10uF | # | 10uF | # | # | # | R1257 | H2 | 1K | # | # | 1K | # | # |
| C1416 | K4 | 4.7uF | # | 4.7uF | # | # | # | R1258 | H2 | 3.3K | # | # | 3.3K | # | # |
| C1417 | K7 | 1000uF | # | 1000uF | # | # | # | R1259 | I2 | 100K | # | # | 100K | # | # |
| C1420 | K4 | 4.7uF | # | 4.7uF | # | # | # | R1260 | I2 | 3.3K | # | # | 3.3K | # | # |
| C1501 | I15 | 0.12uF | 0.12uF | 0.12uF | # | # | # | R1261 | E3 | 220 | # | # | 220 | # | # |
| C1502 | I15 | # | 11P | 11P | # | 11P | 11P | R1262 | E2 | 100 | # | # | 100 | # | # |
| C1503 | I15 | # | 20P | # | # | 20P | # | R1263 | E2 | 220 | # | # | 220 | # | # |
| C1504 | A1 | # | 8P | # | # | 8P | 8P | R1264 | F2 | 100 | # | # | 100 | # | # |
| C1505 | E19 | 5P | 5P | 5P | 8P | 8P | 8P | R1265 | F2 | 220 | # | # | 220 | # | # |
| C1506 | A7 | # | 15P | # | # | 15P | # | R1266 | F2 | 100 | # | # | 100 | # | # |
| C1507 | I10 | 1S1337-77 | # | # | # | # | # | R1267 | F2 | 0 | # | # | 0 | # | # |
| C1508 | I10 | 1*810-439-31 | # | # | # | # | # | R1268 | F2 | 100 | # | # | 100 | # | # |
| D368 | A6 | # | 1S1337-77 | # | 1S1337-77 | # | # | R1270 | F3 | 100 | # | # | 100 | # | # |
| D1247 | I2 | RD10ESB2 | # | # | RD10ESB2 | # | RD10ESB2 | R1273 | F2 | # | # | # | 220 | # | # |
| D1248 | I3 | MTJ3-J3 | # | # | MTJ3-J3 | # | # | R1274 | G2 | # | # | # | 100 | # | # |
| D1261 | G3 | RD10ESB2 | # | # | RD10ESB2 | # | RD10ESB2 | R1277 | G3 | 220 | # | # | 220 | # | # |
| D1262 | H3 | RD10ESB2 | # | # | RD10ESB2 | # | RD10ESB2 | R1278 | G3 | 220 | # | # | 220 | # | # |
| IC003 | A1 | SBX1981-51P | # | # | # | # | # | R1280 | E4 | 100 | # | # | 100 | # | # |
| IC1261 | E3 | MM1311AD | # | # | MM1311AD | # | # | R1282 | F4 | 100 | # | # | 100 | # | # |
| IC1401 | J5 | CXA2021S | # | # | CXA2021S | # | # | R1283 | G3 | # | # | # | 22 | # | # |
| IC1402 | J6 | UPC45892 | # | # | UPC45892 | # | # | R1284 | D4 | 100 | # | # | 100 | # | # |
| J1232 | F1 | 0 | # | 0 | # | 0 | # | R1285 | C4 | 1K | # | # | 1K | # | # |
| J1233 | G1 | # | # | # | # | 0 | # | R1287 | C5 | 1K | # | # | 1K | # | # |
| J1234 | H1 | 0 | # | # | # | 0 | # | R1288 | D4 | 100 | # | # | 100 | # | # |
| JR001 | C8 | # | 0 | # | # | 0 | # | R1290 | H6 | 470 | # | # | 470 | # | # |
| JR200 | B3 | # | 0 | # | # | 0 | # | R1291 | I6 | 680 | # | # | 680 | # | # |
| JR351 | D15 | 0 | # | # | # | 0 | # | R1292 | E4 | 4.7K | # | # | 4.7K | # | # |
| JR352 | E15 | 0 | # | # | # | 0 | # | R1293 | E4 | 4.7K | # | # | 4.7K | # | # |
| JR1264 | G2 | 0 | # | # | # | 0 | # | R1294 | H3 | 1K | # | # | 1K | # | # |
| JR147 | J5 | # | 0 | # | # | 0 | # | R1295 | H3 | 1K | # | # | 1K | # | # |
| JR1450 | K5 | 0 | # | # | # | 0 | # | R1296 | G2 | 0 | # | # | 0 | # | # |
| JR1451 | L5 | 0 | # | # | # | 0 | # | R1407 | L7 | 10K | # | # | 10K | # | # |
| L481 | J9 | 8.2uH | 8.2uH | 15uH | 8.2uH | 8.2uH | 15uH | R1410 | L4 | 1M | # | # | 1M | # | # |
| L541 | J17 | # | # | # | 10uH | 10uH | 10uH | R1411 | J6 | 10K | # | # | 10K | # | # |
| L1401 | J8 | 1uH | # | 1uH | 1uH | 1uH | 1uH | R1412 | K6 | 22K | # | # | 22K | # | # |
| Q018 | B7 | # | 2SD601A-Q | # | # | 2SD601A-Q | # | R1413 | K6 | 47K | # | # | 47K | # | # |
| Q1231 | I2 | 2SD601A-Q | # | # | 2SD601A-Q | # | 25C16234-LSL6 | R1414 | K6 | 47K | # | # | 47K | # | # |
| Q1232 | H2 | 2SD601A-Q | # | # | 2SD601A-Q | # | 25C16234-LSL6 | R1415 | K6 | 100 | # | # | 100 | # | # |
| Q1261 | C4 | 2SA1162-G | # | # | 2SA1162-G | # | 2SA1037AK-T146-R | R1416 | K7 | 22K | # | # | 22K | # | # |
| Q1262 | D4 | 2SA1162-G | # | # | 2SA1162-G | # | 2SA1037AK-T146-R | R1419 | K7 | 47K | # | # | 47K | # | # |
| Q1263 | H6 | 2SD601A-Q | # | # | 2SD601A-Q | # | 25C16234-LSL6 | R1420 | K7 | 47K | # | # | 47K | # | # |
| R006 | C11 | # | 220 | # | # | 220 | # | R1421 | K7 | 100 | # | # | 100 | # | # |
| R008 | C11 | # | 220 | # | # | 220 | # | R1424 | L5 | 220 | # | # | 220 | # | # |
| R012 | E11 | # | 220 | # | # | 220 | # | R1425 | C5 | 220 | # | # | 220 | # | # |
| R031 | C9 | # | 220 | # | # | 220 | # | S001 | B9 | 1-692-431-21 | # | # | # | # | # |
| R040 | F9 | # | 220 | # | # | 220 | # | S002 | B9 | 1-692-431-21 | # | # | # | # | # |
| R041 | C12 | # | 4.7K | # | # | 4.7K | # | S003 | B9 | 1-692-431-21 | # | # | # | # | # |
| R042 | C12 | # | 4.7K | # | # | 4.7K | # | S004 | B9 | 1-692-431-21 | # | # | # | # | # |
| R044 | E9 | 220 | | | | | | | | | | | | | |

A BOARD WAVEFORMS



AV BOARD SCHEMATIC DIAGRAM (KV-32S66/35S66 ONLY)



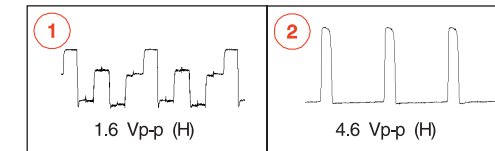
AV BOARD IC VOLTAGE LIST

| pin | volt |
|-----|------|
| 1 | 4.9 |
| 2 | 4.6 |
| 3 | -0.1 |
| 4 | 0 |
| 5 | GND |
| 6 | 0 |
| 7 | 0 |
| 8 | NC |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | NC |
| 13 | 0 |
| 14 | 0.5 |
| 15 | 0.5 |
| 16 | GND |

AV BOARD LOCATION LIST

| DIODE | C2 | Q101 | C1 |
|-------|----|-------|----|
| D101 | D2 | Q103 | C5 |
| D103 | D2 | Q104 | C5 |
| D104 | D2 | Q105 | C3 |
| D105 | D3 | Q106 | B3 |
| D106 | D3 | Q1901 | D3 |
| D1901 | E3 | Q1902 | D3 |
| D1902 | D2 | | |

AV BOARD WAVEFORMS



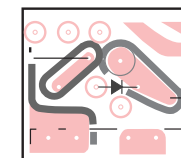
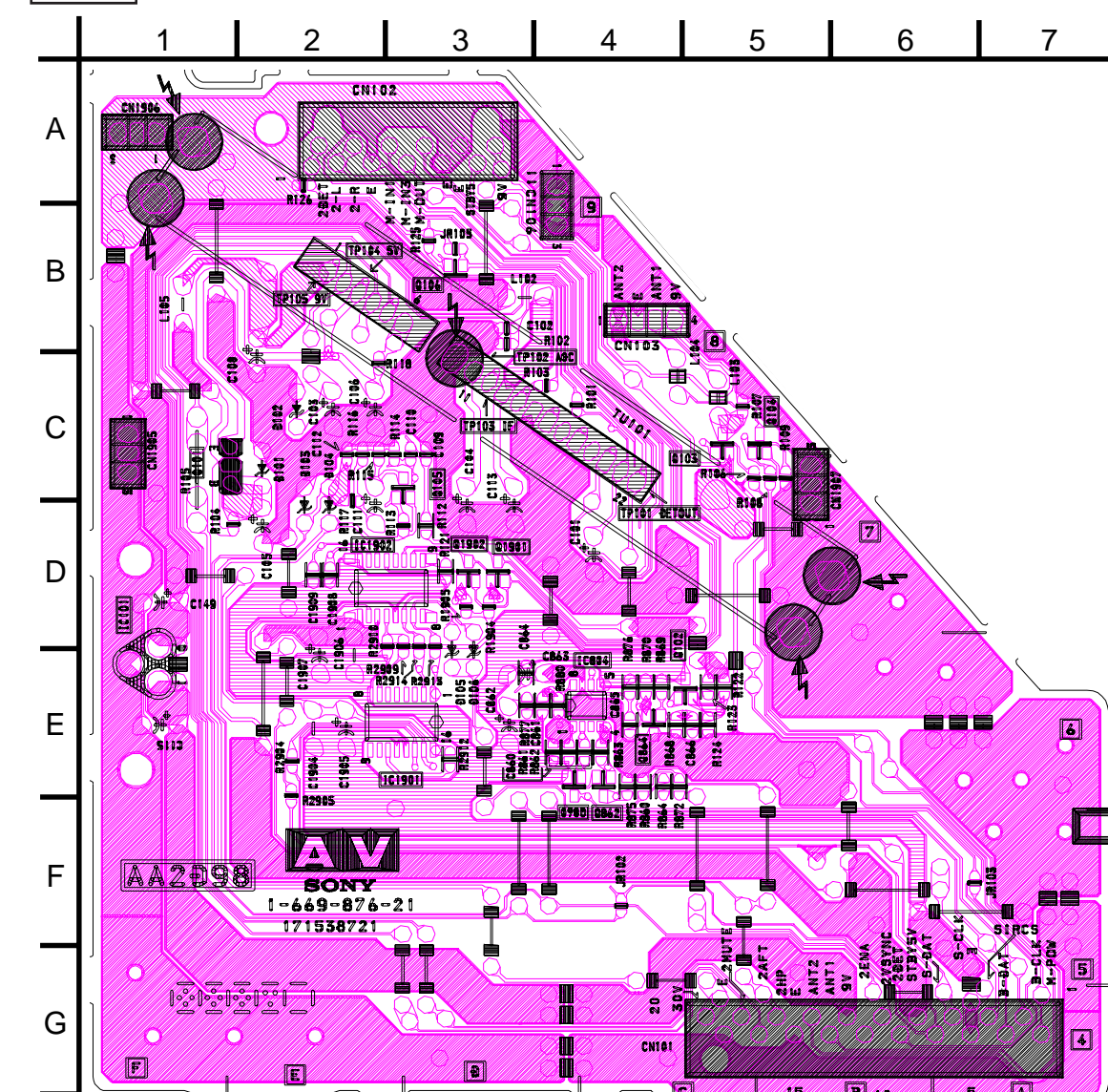
AV BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|-------|------|------|-----|
| Q101 | 4.6 | 8.6 | 4.0 |
| Q103 | 4.2 | 4.7 | 4.9 |
| Q104 | 5.0 | 0 | 4.9 |
| Q105 | 5.1 | 0.8 | 4.9 |
| Q860 | 0.68 | 0.2 | 0 |
| Q862 | 0.7 | 0.05 | 0 |
| Q864 | 2.9 | 4.9 | 2.4 |
| Q1901 | 4.9 | 0 | 0 |
| Q1902 | -0.1 | 0 | 0 |
| Q1904 | 5.2 | 0.8 | 4.9 |

All voltages are in V

AV

[SECOND TUNER, S-LINK] (KV-32S66/35S66 ONLY)



NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

A BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E | | B | C | E | | B | C | E |
|------|-------|-----|-----|------|-----|-----|-----|------|-------|-------|-------|
| Q001 | 4.9 | 0.7 | 4.8 | Q015 | 0 | 0 | GND | Q358 | 1.6 | 8.7 | 1.7 |
| Q002 | 4.2 | 8.7 | 4.8 | Q017 | 5.7 | 8.8 | 5.0 | Q461 | 0 | 22.6 | 0 |
| Q003 | -0.4 | 3.8 | GND | Q301 | 4.1 | 4.7 | 4.8 | Q462 | 22.6 | 0.7 | 22.7 |
| Q004 | 0.6 | GND | 3.8 | Q301 | 3.6 | GND | 1.6 | Q501 | -0.7 | 109 | GND |
| Q010 | 0 | 8.7 | 0 | Q302 | 3.6 | GND | 1.7 | Q502 | -0.2 | 132.6 | GND |
| Q011 | 0 | 8.7 | 0 | Q303 | 3.6 | GND | 1.8 | Q511 | -15.9 | -12.3 | -16.1 |
| Q012 | 0 | 8.7 | 0 | Q354 | 0.4 | GND | 0.2 | Q512 | -16.4 | -30.7 | -16.1 |
| Q013 | -0.04 | 0 | GND | Q356 | 4.8 | GND | 5.4 | Q551 | 2.8 | 0 | 2.8 |
| Q014 | -0.06 | 0 | GND | Q357 | 3.6 | 8.7 | 2.9 | Q552 | 0 | 2.8 | GND |

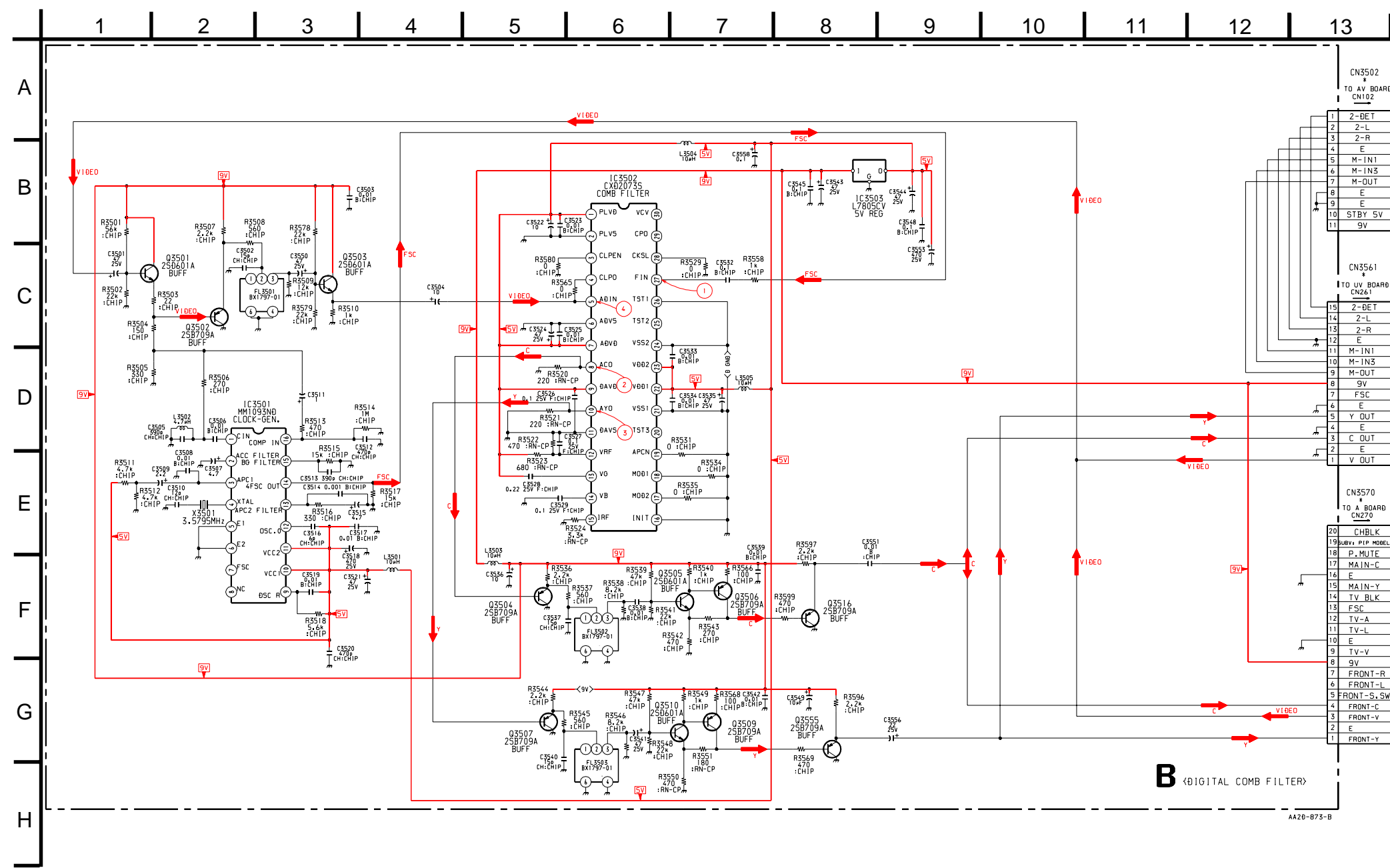
All voltages are in V

A BOARD IC VOLTAGE LIST

| IC001 | 32 | 0 | IC351 | 32 | 4.2 | IC501 | |
|-------|------|----|-------|-----|------|-------|------|
| pin | volt | 33 | 0 | pin | volt | 33 | 4.6 |
| 1 | 0 | 34 | 0 | 1 | 2.0 | 34 | 8.6 |
| 2 | 4.7 | 35 | NC | 2 | 5.3 | 35 | 3.1 |
| 3 | NC | 36 | 0.2 | 3 | 4.0 | 36 | 3.3 |
| 4 | NC | 37 | 0 | 4 | 0 | 37 | 3.9 |
| 5 | 4.7 | 38 | 0 | 5 | 4.0 | 38 | 4.1 |
| 6 | 4 | 39 | 0 | 6 | 8.7 | 39 | 2.3 |
| 7 | 0.05 | 40 | 0 | 7 | 0 | 40 | 0 |
| 8 | 0.04 | 41 | 0 | 8 | 4.7 | 41 | 2.6 |
| 9 | NC | 42 | 0 | 9 | 0.2 | 42 | 2.7 |
| 10 | NC | 43 | 0 | 10 | 6.3 | 43 | 3.9 |
| 11 | NC | 44 | 2.6 | 11 | 6.0 | 44 | 3.3 |
| 12 | 4.7 | 45 | 2.7 | 12 | 5.9 | 45 | 5.9 |
| 13 | 3.8 | 46 | 4.7 | 13 | GND | 46 | 0.4 |
| 14 | 1.1 | 47 | 4.7 | 14 | 0 | 47 | 5.8 |
| 15 | 4.7 | 48 | GND | 15 | 0 | 48 | NC |
| 16 | GND | 49 | GND | 16 | 5.0 | | |
| 17 | 2.2 | 50 | 4.7 | 17 | 0 | pin | volt |
| 18 | 2.2 | 51 | 0 | 18 | 5.0 | 1 | 1.3 |
| 19 | 0 | 52 | 0 | 19 | 4.0 | 2 | 0.7 |
| 20 | 4.7 | 53 | 4.7 | 20 | 2.1 | 3 | 12.4 |
| 21 | 2.9 | 54 | 4.7 | 21 | 4.4 | 4 | 0.7 |
| 22 | 2.6 | 55 | 4.7 | 22 | 1.9 | 5 | 1.3 |
| 23 | 0 | 56 | 4.7 | 23 | 4.8 | 6 | 0 |
| 24 | 0 | 57 | 4.7 | 24 | 1.8 | 7 | NC |
| 25 | GND | 58 | 0.06 | 25 | 3.4 | 8 | 11.3 |
| 26 | 1.5 | 59 | 3 | 26 | 2.5 | 9 | 22.7 |
| 27 | 2.4 | 60 | 3.4 | 27 | 8.6 | 10 | 11.3 |
| 28 | 2.3 | 61 | 0 | 28 | 0.6 | 11 | NC |
| 29 | 4.7 | 62 | 4.4 | 29 | 2.9 | | |
| 30 | 0.8 | 63 | NC | 30 | 2.9 | | |
| 31 | 0 | 64 | 4.5 | 31 | 3.7 | | |

All voltages are in V

B BOARD SCHEMATIC DIAGRAM



B BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|-------|-----|-----|-----|
| Q3501 | 2.1 | 8.7 | 1.4 |
| Q3502 | 1.4 | GND | 2.0 |
| Q3503 | 4.2 | 8.8 | 3.5 |
| Q3504 | 1.1 | GND | 1.7 |
| Q3505 | 2.7 | 7.8 | 2.1 |
| Q3506 | 7.8 | 3.0 | 8.4 |
| Q3507 | 1.0 | GND | 1.7 |
| Q3508 | 7.8 | 2.9 | 8.4 |
| Q3510 | 2.7 | 7.8 | 2.1 |
| Q3516 | 3.0 | GND | 3.7 |
| Q555 | 2.7 | GND | 3.4 |

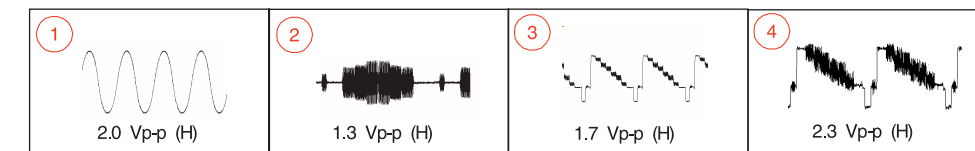
All voltages are in V

B BOARD IC VOLTAGE LIST

| IC3501 | IC3502 | 18 | 0 |
|--------|--------|-----|------|
| pin | volt | pin | volt |
| 1 | 3.5 | 1 | 5.0 |
| 2 | 0 | 2 | GND |
| 3 | 0 | 3 | 0 |
| 4 | 0 | 4 | 1.5 |
| 5 | GND | 5 | 1.5 |
| 6 | GND | 6 | 0 |
| 7 | NC | 7 | 5.0 |
| 8 | NC | 8 | 1.1 |
| 9 | 0 | 9 | 5.0 |
| 10 | 5.0 | 10 | 1.1 |
| 11 | 5.0 | 11 | 0 |
| 12 | 3.3 | 12 | 2.0 |
| 13 | 2.4 | 13 | 2.7 |
| 14 | 3.0 | 14 | 0.9 |
| 15 | 0.7 | 15 | 2.0 |
| 16 | 0 | 16 | GND |
| 17 | 0 | 17 | 0 |

All voltages are in V

B BOARD WAVEFORMS



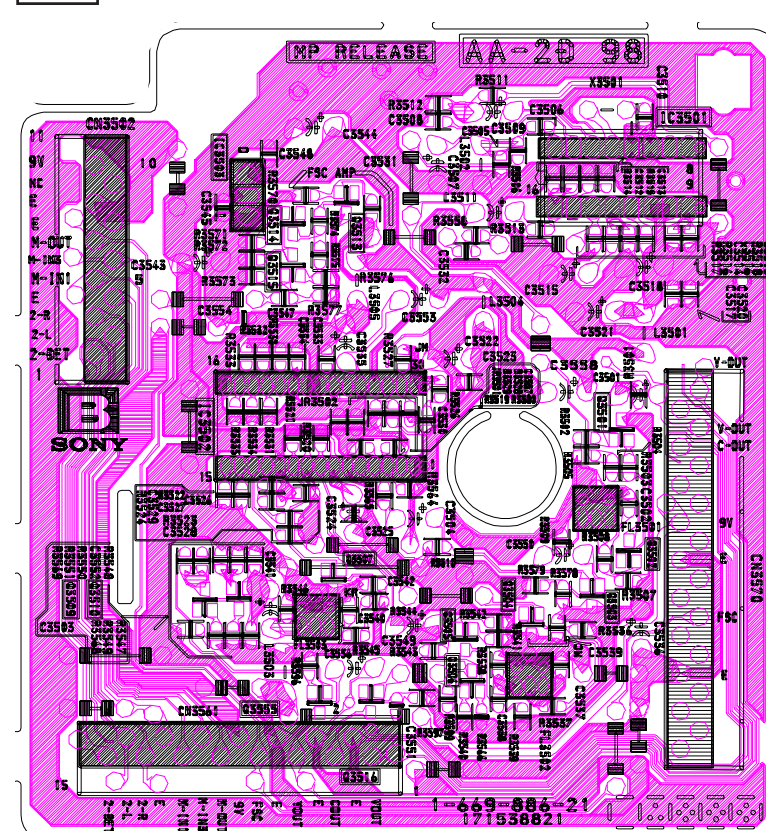
B BOARD MARK (*) LIST

| REF. NO. | LOC | KV-32V42/35V42 | KV-32S66/35S66 | KV-32S42/35V42 |
|----------|-----|----------------|----------------|----------------|
| CN3502 | B13 | 1-573-978-21 | # | # |
| CN3561 | D13 | 1-691-616-21 | 1-691-616-21 | # |
| CN3570 | F13 | # | # | 1-573-301-21 |

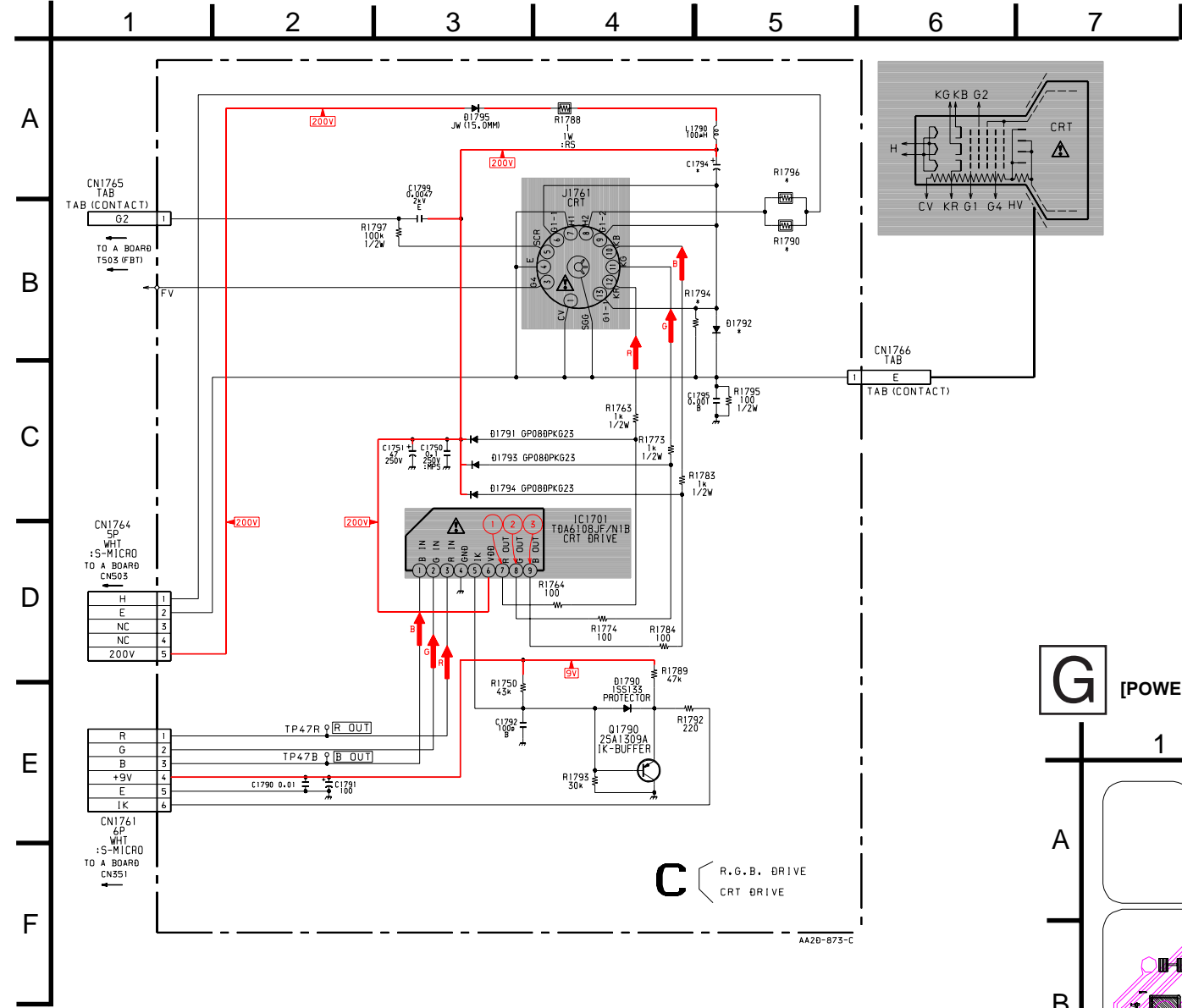
NOT MOUNTED

B

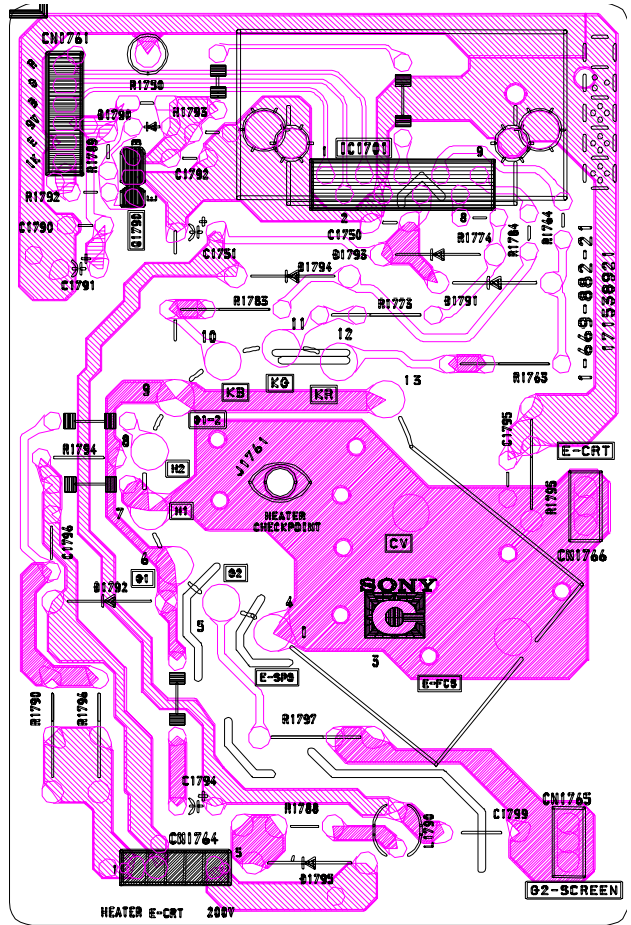
[DIGITAL COMB FILTER]



C BOARD SCHEMATIC DIAGRAM

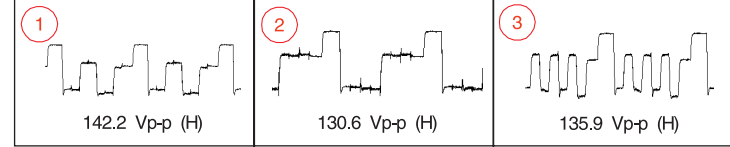


C [RGB DRIVE, CRT DRIVE]



NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

C BOARD WAVEFORMS



C BOARD IC VOLTAGE LIST

| IC1701 | pin | volt |
|--------|-----|-------|
| | 1 | 1.8 |
| | 2 | 1.9 |
| | 3 | 2.1 |
| | 4 | GND |
| | 6 | 203.1 |
| | 7 | 136.7 |
| | 8 | 146.2 |
| | 9 | 1.1 |

All voltages are in V

C BOARD MARK (*) LIST

| REF. NO. | LOC | 32S42/S66/V42 | 35S42/S66/V42 |
|----------|-----|---------------|---------------|
| C1794 | A5 | # | 4.7MF |
| D1792 | B5 | # | GP08D |
| R1790 | B5 | 5.6 | # |
| R1794 | B4 | # | 560K |
| R1796 | A5 | 5.6 | 1 |

#: NOT MOUNTED

C BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|-------|-----|-----|-----|
| Q1790 | 5.4 | GND | 4.9 |

All voltages are in V

G BOARD LOCATOR LIST

| DIODE | D644 | C4 |
|-------|------|------------|
| D600 | E3 | D645 |
| D601 | E1 | D646 |
| D602 | H3 | D647 |
| D603 | H4 | D648 |
| D604 | G4 | D649 |
| D612 | D3 | D650 |
| D613 | D3 | IC |
| D614 | A5 | IC801 |
| D621 | F3 | IC622 |
| D622 | G2 | IC841 |
| D623 | F2 | IC843 |
| D624 | F2 | TRANSISTOR |
| D625 | F2 | Q621 |
| D626 | G2 | Q622 |
| D627 | F2 | Q644 |
| D628 | D2 | Q645 |
| D641 | B3 | Q646 |
| D642 | C4 | Q647 |
| D643 | C5 | Q648 |

G BOARD IC VOLTAGE LIST

| IC601 | pin | volt |
|-------|-----|-------|
| | C1 | 151.4 |
| | C2 | 300.8 |
| | B1 | 149.0 |
| | B2 | -1.75 |
| | E1 | GND |
| | E2 | 151.2 |
| IC641 | pin | volt |
| | IN | 11.1 |
| | OUT | 8.9 |
| | G | GND |
| IC643 | pin | volt |
| | 1 | 134.0 |
| | 2 | NC |
| | 3 | 2.4 |
| | 4 | 8.5 |
| | 5 | GND |

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

| | B | C | E |
|------|------|------|-----|
| Q622 | 0.5 | 1.75 | GND |
| Q644 | 0 | 11.1 | GND |
| Q645 | 11.1 | GND | 8.5 |
| Q646 | 6.0 | 6.7 | 6.7 |
| Q647 | 0 | 11.1 | GND |
| Q648 | 0.7 | 0.04 | GND |

All voltages are in V

G BOARD TRANSISTOR VOLTAGE LIST

| | S | D | G |
|------|---|-------|------|
| Q621 | 0 | 152.4 | 1.75 |

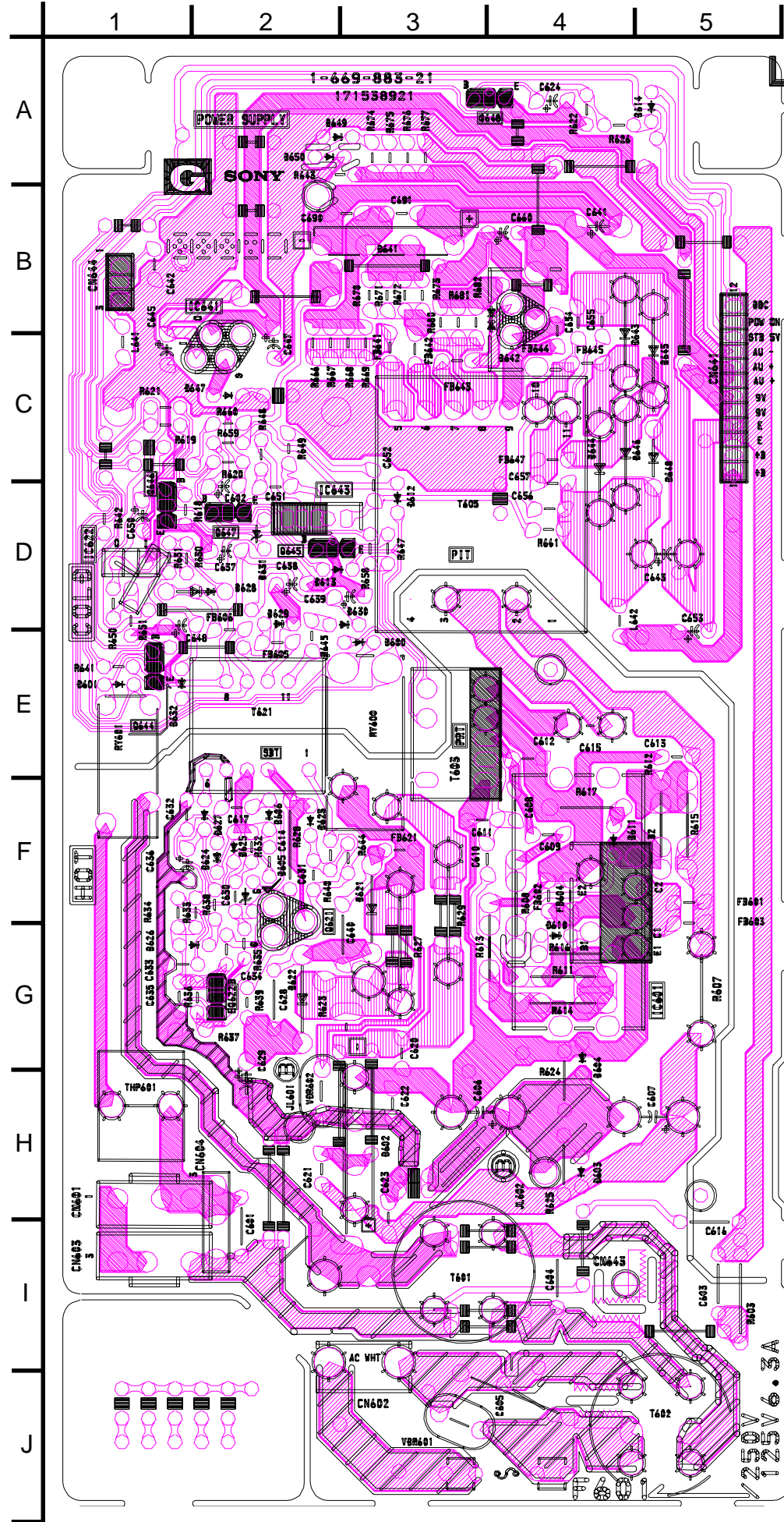
All voltages are in V

G BOARD MARK (*) LIST

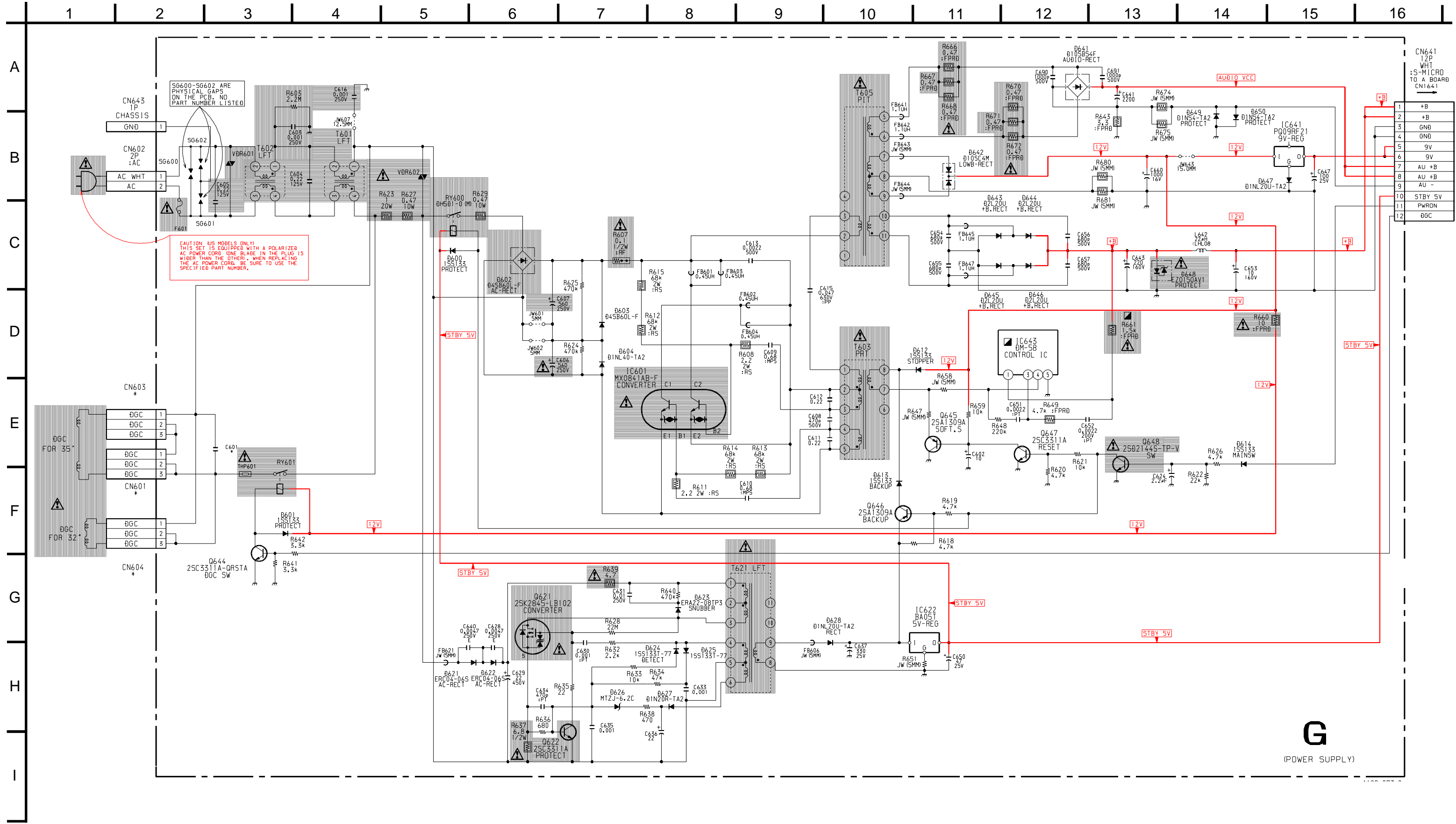
| REF. NO. | LOC | KV-35S42/S66/V42 | KV-32S42/S66/V42 |
|----------|-----|------------------|------------------|
| C601 | E3 | 0.22uF | # |
| CN601 | E2 | 1-573-963-11 | # |
| CN603 | E2 | 1-573-963-11 | # |
| CN604 | F2 | # | 1-508-765-00 |

#: NOT MOUNTED

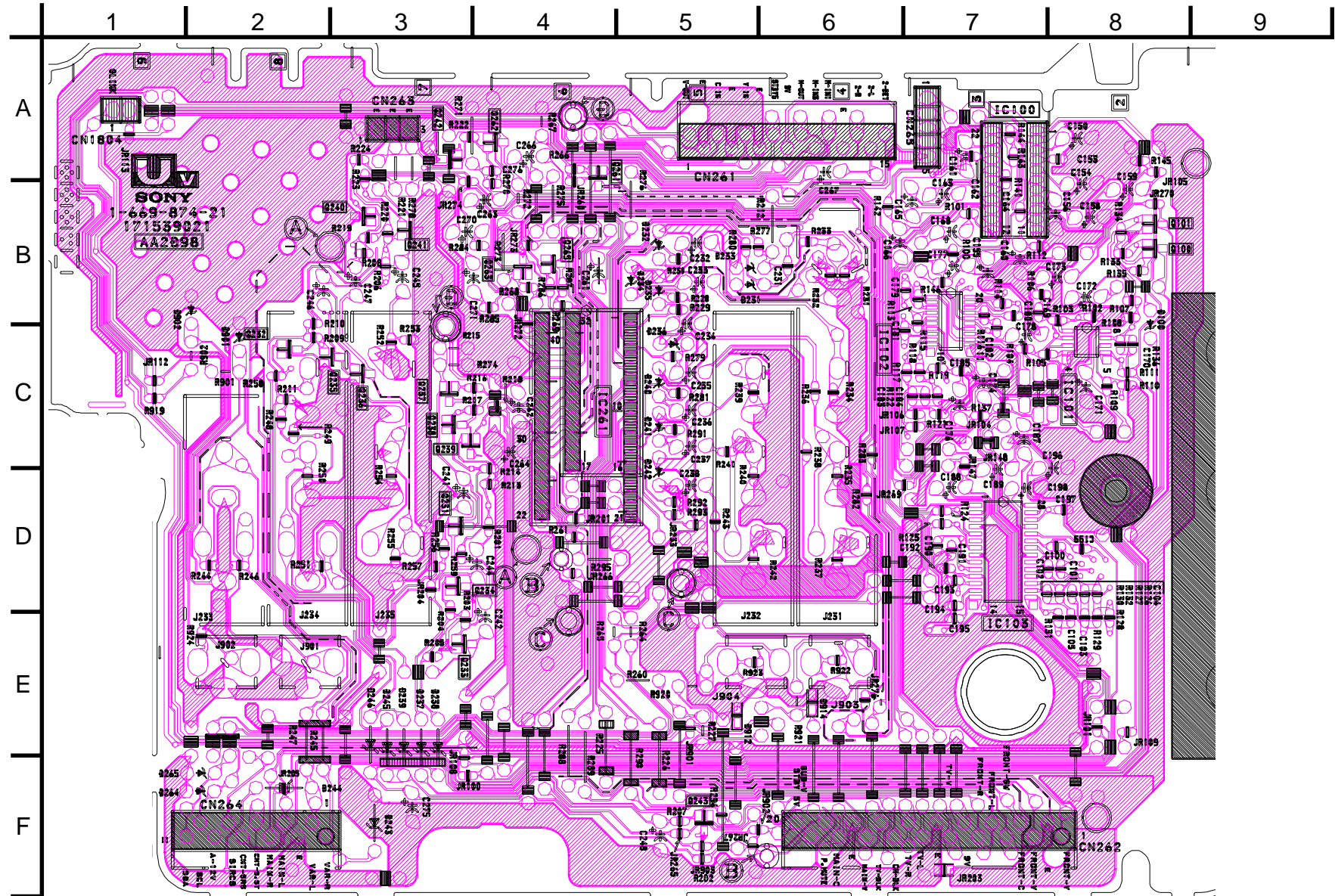
G [POWER SUPPLY]



G BOARD SCHEMATIC DIAGRAM

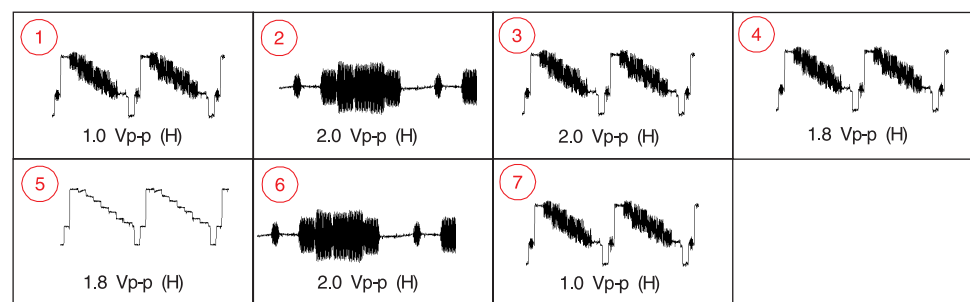


UV [SRS, AV-SW, AV-TERMINAL] (KV-32S66/32V42/35S66/35V42 ONLY)



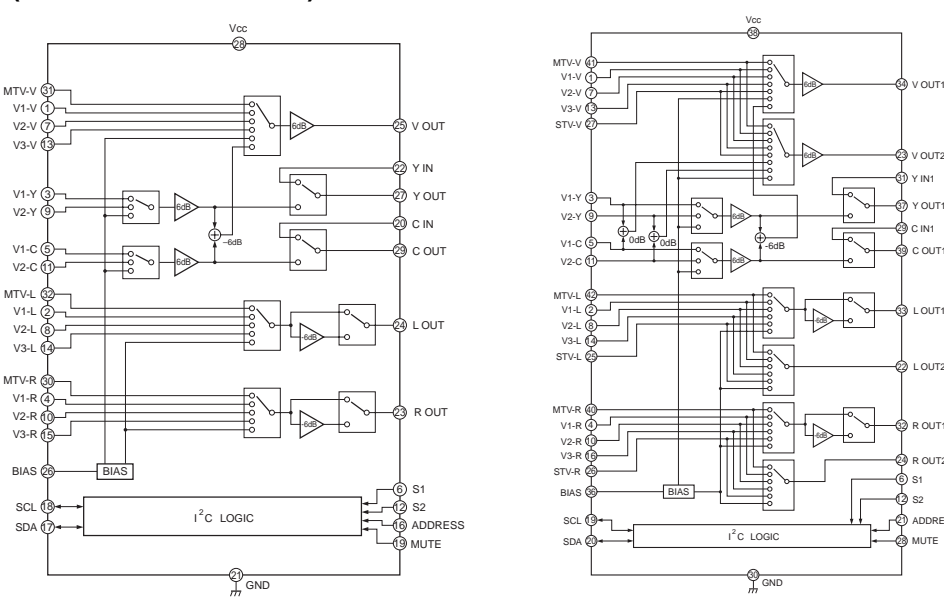
NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

UV BOARD WAVEFORMS



| DIODES | | D237 | E3 | D246 | E3 | IC102 | C7 | Q233 | E3 | Q262 | A4 |
|--------|----|------|----|-------|----|------------|----|------|----|------|----|
| D231 | B5 | D238 | E3 | D264 | F1 | IC103 | D7 | D234 | D3 | D263 | B3 |
| D232 | B5 | D240 | C5 | D265 | F1 | IC261 | C4 | Q238 | C3 | Q265 | B4 |
| D233 | B5 | D241 | C5 | D902 | B1 | TRANSISTOR | | Q239 | C3 | | |
| D234 | B5 | D242 | D5 | IC | | Q100 | B8 | Q237 | D5 | | |
| D235 | B5 | D243 | F3 | IC100 | A7 | Q101 | B8 | Q243 | F5 | | |
| D236 | C5 | D244 | F2 | IC101 | C8 | Q231 | D3 | Q261 | A4 | | |

**UV BOARD: IC261 MM1313AD/
(KV-32S66/35S66 ONLY)**



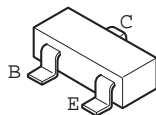
| | B | C | E | | B | C | E | | B | C | E | | B | G | E | | B | C | E |
|------|------|-----|-----|------|------|---|-----|------|-----|-----|-----|------|-----|-----|-----|------|-----|-----|-----------------------|
| Q100 | 0.2 | 0 | GND | Q233 | -0.1 | 0 | GND | Q237 | 3.9 | GND | 5.6 | Q241 | 4.1 | GND | 4.9 | Q262 | 5.1 | 8.7 | 4.3 |
| Q101 | 0.2 | 0 | GND | Q234 | -0.2 | 0 | GND | Q238 | 3.9 | GND | 4.6 | Q242 | 4.2 | GND | 4.9 | Q263 | 3.3 | GND | 3.9 |
| Q231 | -0.3 | 5.6 | GND | Q235 | 0 | 0 | GND | Q239 | 3.9 | GND | 4.6 | Q243 | 0 | GND | 0.7 | Q265 | 4.2 | GND | 4.9 |
| Q232 | 0.2 | 4.9 | GND | Q236 | 0 | 0 | GND | Q240 | 4.1 | GND | 4.9 | Q261 | 4.6 | 8.7 | 3.9 | | | | All voltages are in V |

| IC100 | | IC102 | | 11 | 4.4 | 15 | 0 |
|-------|------|-------|------|-----|-------|-----|-----|
| pin | volt | pin | volt | 12 | 4.4 | 16 | 4.0 |
| 1 | 4.3 | 1 | 4.4 | 13 | 4.4 | 17 | 4.6 |
| 2 | 0 | 2 | 4.4 | 14 | 4.4 | 18 | NC |
| 3 | 4.3 | 3 | 4.4 | 15 | 4.4 | 19 | 4.4 |
| 4 | 4.3 | 4 | 4.4 | 16 | 4.4 | 20 | 4.7 |
| 5 | 4.3 | 5 | 4.4 | 17 | 0 | 21 | 4.0 |
| 6 | 4.3 | 6 | 4.4 | 18 | 4.4 | 22 | 4.0 |
| 7 | 4.3 | 7 | 4.4 | 19 | 4.4 | 23 | 5.3 |
| 8 | 3.2 | 8 | 8.0 | 20 | 4.4 | 24 | NC |
| 9 | 4.3 | 9 | 8.0 | 21 | 8.7 | 25 | 4.0 |
| 10 | 1.5 | 10 | 0 | 22 | 4.4 | 26 | 4.0 |
| 11 | 4.7 | 11 | 4.0 | 23 | 4.4 | 27 | 4.0 |
| 12 | 4.7 | 12 | 8.7 | 24 | 4.4 | 28 | NC |
| 13 | 5.6 | 13 | 4.4 | 25 | 4.4 | 29 | 4.7 |
| 14 | 4.3 | 14 | 4.4 | 26 | 4.4 | 30 | GND |
| 15 | 4.3 | 15 | 4.4 | 27 | 0.6 | 31 | 5.7 |
| 16 | 4.3 | 16 | 4.4 | 28 | 3.7 | 32 | 4.0 |
| 17 | 4.3 | 17 | 4.4 | 29 | 4.4 | 33 | 4.0 |
| 18 | 4.3 | 18 | 4.4 | pin | IC201 | 34 | 5.0 |
| 19 | 4.3 | 19 | 4.4 | 1 | 4.7 | 35 | NC |
| 20 | 4.3 | 20 | 4.4 | 2 | 4.0 | 36 | 4.1 |
| 21 | 8.7 | IC103 | 3 | 5.1 | 37 | 4.1 | |
| 22 | 8.3 | pin | 4 | 4.0 | 38 | 8.7 | |
| 23 | 0 | 5 | 3.7 | 4.7 | 39 | 5.3 | |
| 24 | pin | 2 | 4.4 | 6 | 0.5 | 40 | 4.9 |
| 1 | 4.2 | 3 | 4.4 | 7 | 4.7 | 41 | 5.1 |
| 2 | 4.3 | 4 | 4.4 | 8 | 4.7 | 42 | 4.8 |
| 3 | 4.3 | 5 | 4.7 | 9 | 4.7 | 43 | 4.0 |
| 4 | 0 | 6 | NC | 10 | 4.0 | | |
| 5 | 4.3 | 7 | 4.7 | 11 | 4.7 | | |
| 6 | 4.3 | 8 | 0 | 12 | 4.6 | | |
| 7 | 4.2 | 9 | 4.4 | 13 | 4.7 | | |
| 8 | 8.7 | 10 | 4.4 | 14 | 4.0 | | |

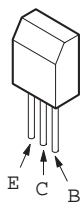
All voltages are in V

6-5. SEMICONDUCTORS

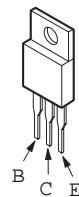
DTC114EK
2SC1623-L5L6
2SA1330-06
2SA1162-G
2SD601A-Q



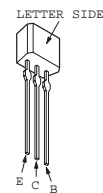
2SC3209LK



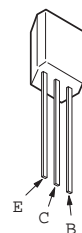
2SA1837
2SC4159-E



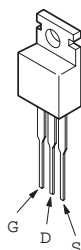
2SA1175-HFE
2SC2785-HFE



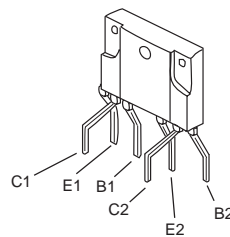
2SD2144S-V



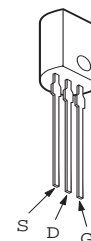
IRF614



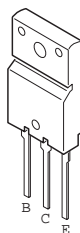
MX0841



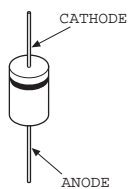
2SK2845-LB102



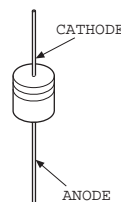
2SC5148



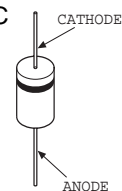
ERC06-15S
ISSI33T-77



D1NS4
D1N20R
MTZJ-3.3
MTZJ-33A
RD10ESB2
RD39ES-B2
RD5.6ESB2
RD6.2ESB2



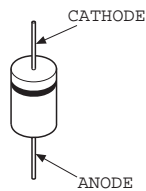
D2L20U
EL1Z
EZD150AV1
GP08D
MTZJ-T-77-4.3C
EGP20G



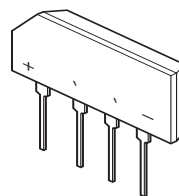
2SC4834M



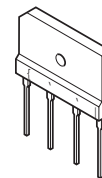
EGP30D
ERD29-08J



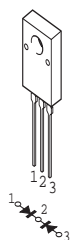
D10SBS4F



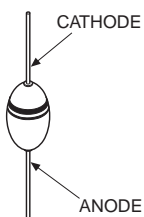
D4SB60L
D1NL40-TA2



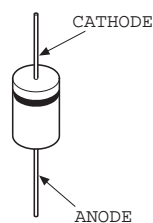
D10SC4M



U05G



D1NL20U



SECTION 7
EXPLODED VIEW

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

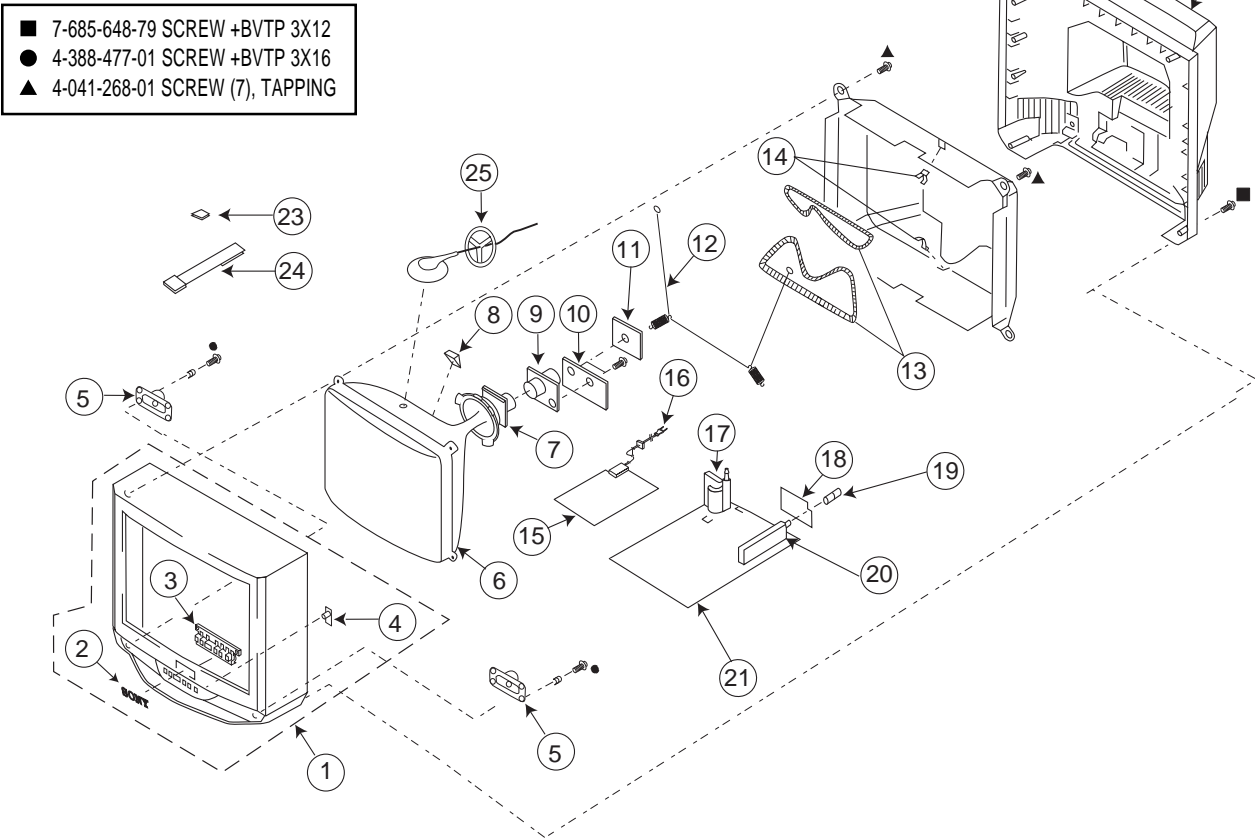
Note:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

7-1. CHASSIS (KV-32S42 ONLY)



| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------------|---------------------------|--------|---------|----------------|--------------------------------|--------|
| 1 | X-4035-771-1 | BEZNET ASSY | 2-4 | 16 | ⚠ 1-790-315-21 | CORD, AC POWER(WITH CONNECTOR) | |
| 2 | 4-046-160-11 | EMBLEM (NO.9), SONY | | 17 | ⚠ 1-453-207-11 | FBT ASSY NX-2609//X4C | |
| 3 | 4-063-573-01 | BUTTON, MULTI | | 18 | * A-1135-950-A | B COMPLETE PC BOARD | |
| 4 | 4-063-570-01 | GUIDE, LED | | 19 | 1-766-374-11 | PLUG, F-PIN | |
| 5 | 1-504-531-11 | SPEAKER (13.1X6.2CM) | | 20 | ⚠ 8-598-431-00 | TUNER, FSS BTF-WA411 | |
| 6 | ⚠ 8-733-757-05 | CRT 34FX2T (FOR N.A.AREA) | | 21 | * A-1299-001-A | A COMPLETE PC BOARD | |
| 7 | ⚠ 8-451-482-11 | DY Y34FXA2-V | | 22 | 4-063-852-01 | COVER, REAR | |
| 8 | 4-053-005-01 | SPACER, DY | | 23 | 1-452-885-11 | MAGNET, LANDING | |
| 9 | ⚠ 1-452-579-21 | NECK ASSY, CRT (NA322) | | 24 | 4-062-047-01 | PIECE A(110), CONV CORRECT | |
| 10 | * A-1372-508-A | WB MOUNTED PC BOARD | | 25 | 3-704-372-31 | HOLDER, HV CABLE | |
| 11 | * A-1331-837-A | C (VAR) MOUNTED PC | | | | | |
| 12 | 4-036-329-01 | SPRING (B), TENSION | | | | | |
| 13 | ⚠ 1-402-952-11 | COIL, DEMAGNETIZATION | | | | | |
| 14 | * 4-371-629-01 | STOPPER, WIRE | | | | | |
| 15 | * A-1316-389-A | G COMPLETE PC BOARD | | | | | |

Note:

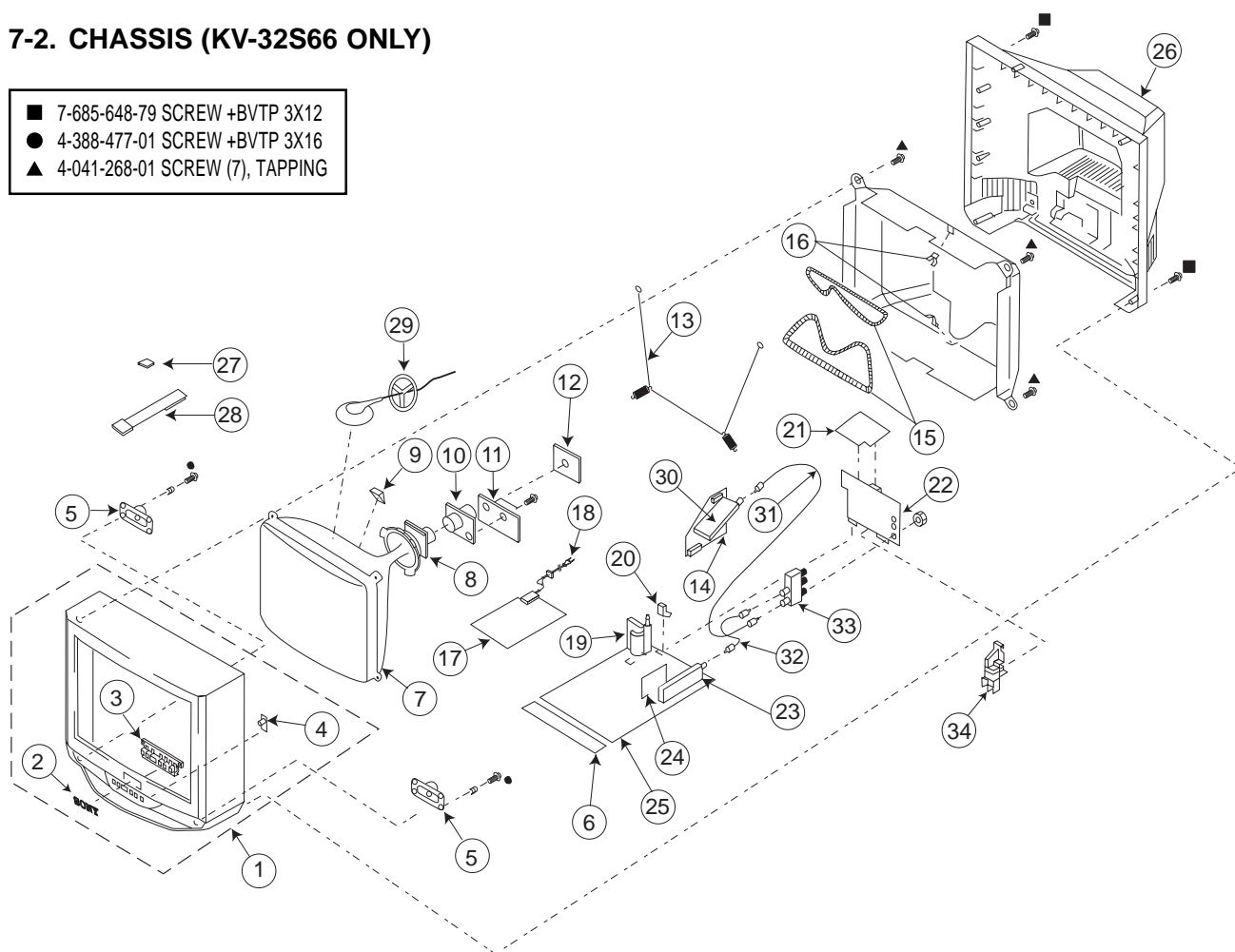
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-2. CHASSIS (KV-32S66 ONLY)

- 7-685-648-79 SCREW +BVTP 3X12
● 4-388-477-01 SCREW +BVTP 3X16
▲ 4-041-268-01 SCREW (7), TAPPING



| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------------|--------------------------------|--------|
| 1 | X-4035-773-1 | BEZNET ASSY | 2-4 |
| 2 | 4-046-160-11 | EMBLEM (NO.9), SONY | |
| 3 | 4-063-573-01 | BUTTON, MULTI | |
| 4 | 4-063-570-01 | GUIDE, LED | |
| 5 | 1-504-531-11 | SPEAKER (13.1X6.2CM) | |
| 6 | * A-1372-519-A | HS (VAR) MOUNTED PC | |
| 7 | ▲ 8-733-757-05 | CRT 34FX2T (FOR N.A.AREA) | |
| 8 | ▲ 8-451-482-11 | DY Y34FXA2-V | |
| 9 | 4-053-005-01 | SPACER, DY | |
| 10 | ▲ 1-452-579-21 | NECK ASSY, CRT (NA322) | |
| 11 | * A-1372-508-A | WB MOUNTED PC BOARD | |
| 12 | * A-1331-837-A | C (VAR) MOUNTED PC | |
| 13 | 4-036-329-01 | SPRING (B), TENSION | |
| 14 | * A-1298-612-A | AV COMPLETE PC BOARD | |
| 15 | ▲ 1-402-952-11 | COIL, DEMAGNETIZATION | |
| 16 | 4-371-629-01 | STOPPER, WIRE | |
| 17 | * A-1316-389-A | G COMPLETE PC BOARD | |
| 18 | ▲ 1-790-315-21 | CORD, AC POWER(WITH CONNECTOR) | |
| 19 | ▲ 1-453-207-11 | FBT ASSY NX-2609//X4C | |
| 20 | 4-064-530-01 | CLIP, CHASSIS | |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------------|----------------------------|--------|
| 21 | * A-1135-949-A | B COMPLETE PC BOARD | |
| 22 | * A-1394-910-A | UV COMPLETE PC BOARD | |
| 23 | ▲ 8-598-431-00 | TUNER, FSS BTF-WA411 | |
| 24 | * A-1195-154-A | P COMPLETE PC BOARD | |
| 25 | * A-1298-997-A | A COMPLETE PC BOARD | |
| 26 | 4-064-760-11 | COVER, REAR | |
| 27 | 1-452-885-11 | MAGNET, LANDING | |
| 28 | 4-062-047-01 | PIECE A(110), CONV CORRECT | |
| 29 | 3-704-372-31 | HOLDER, HV CABLE | |
| 30 | ▲ 8-598-430-00 | TUNER, FSS BTF-FA401 | |
| 31 | * 1-556-945-21 | CABLE, P-P | |
| 32 | * 1-557-056-31 | CABLE, P-P | |
| 33 | 8-598-414-10 | CHANGER, ANTENNA AS-2F | |
| 34 | * 4-052-905-01 | V5/6 BRACKET | |

Note:

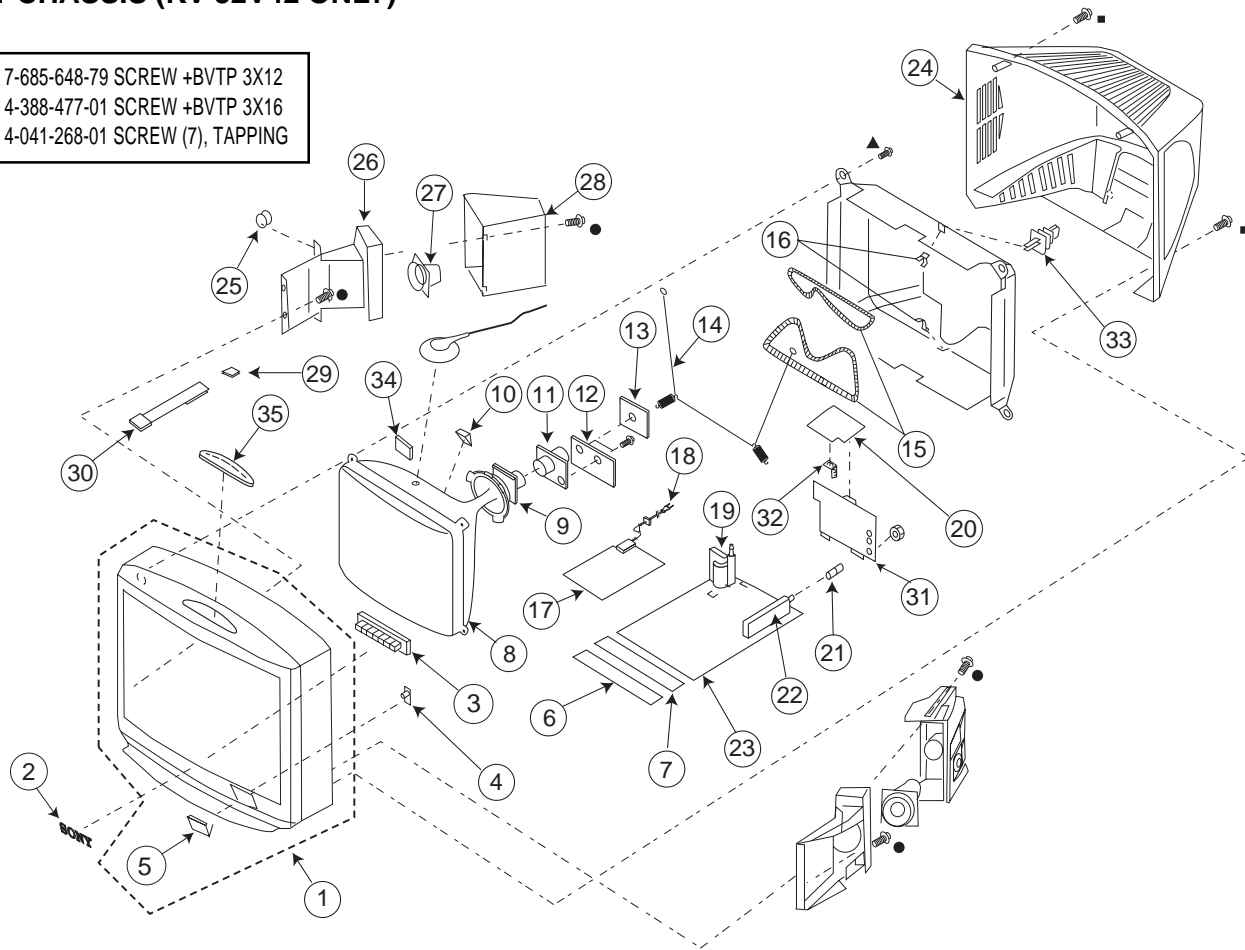
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-3. CHASSIS (KV-32V42 ONLY)

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

| | | | |
|---|----------------|---------------------|---|
| 1 | X-4036-561-1 | BEZNET ASSY | 5 |
| 2 | 4-046-160-01 | EMBLEM (NO.9), SONY | |
| 3 | 4-052-907-11 | BUTTON, MULTI | |
| 4 | * 4-052-897-01 | GUIDE, LED | |
| 5 | 4-052-906-11 | DOOR, CONTROL | |

| | | | |
|----|----------------|---------------------------|--|
| 6 | * A-1372-510-A | HS (VAR) MOUNTED PC | |
| 7 | * A-1372-684-A | HV (VAR) MOUNTED PC | |
| 8 | ▲ 8-733-757-05 | CRT 34FX2T (FOR N.A.AREA) | |
| 9 | ▲ 8-451-482-11 | DY Y34FXA2-V | |
| 10 | 4-053-005-01 | SPACER, DY | |

| | | | |
|----|----------------|------------------------|--|
| 11 | ▲ 1-452-579-21 | NECK ASSY, CRT (NA322) | |
| 12 | * A-1372-508-A | WB MOUNTED PC BOARD | |
| 13 | * A-1331-837-A | C (VAR) MOUNTED PC | |
| 14 | 4-036-329-01 | SPRING (B), TENSION | |
| 15 | ▲ 1-402-952-11 | COIL, DEMAGNETIZATION | |

| | | | |
|----|----------------|--------------------------------|--|
| 16 | * 4-371-629-01 | STOPPER, WIRE | |
| 17 | * A-1316-389-A | G COMPLETE PC BOARD | |
| 18 | ▲ 1-790-315-11 | CORD, AC POWER(WITH CONNECTOR) | |
| 19 | ▲ 1-453-207-11 | FBT ASSY NX-2609//X4C | |
| 20 | * A-1135-948-A | B COMPLETE PC BOARD | |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

| | | | |
|----|----------------|----------------------|--|
| 21 | 1-766-374-11 | PLUG, F-PIN | |
| 22 | ▲ 8-598-431-00 | TUNER, FSS BTF-WA411 | |
| 23 | * A-1298-999-A | A COMPLETE PC BOARD | |
| 24 | 4-053-766-31 | COVER, REAR | |
| 25 | 4-374-745-31 | CUSHION (A) | |

| | | | |
|----|--------------|----------------------------|----|
| 26 | X-4035-400-1 | BAFFLE ASSY, SPEAKER | 25 |
| 27 | 1-504-524-31 | SPEAKER (8CM) | |
| 28 | X-4035-401-1 | COVER ASSY, SPEAKER | |
| 29 | 1-452-885-11 | MAGNET, LANDING | |
| 30 | 4-062-047-01 | PIECE A(110), CONV CORRECT | |

| | | | |
|----|----------------|-----------------------|--|
| 31 | * A-1394-905-A | UV COMPLETE PC BOARD | |
| 32 | * 3-696-606-02 | HINGE, VI | |
| 33 | 4-033-681-01 | HOLDER, LEAD | |
| 34 | * 4-064-378-01 | CUSHION (20 MM), CRT | |
| 35 | 1-473-549-21 | SWITCH, BLOCK CONTROL | |

Note:

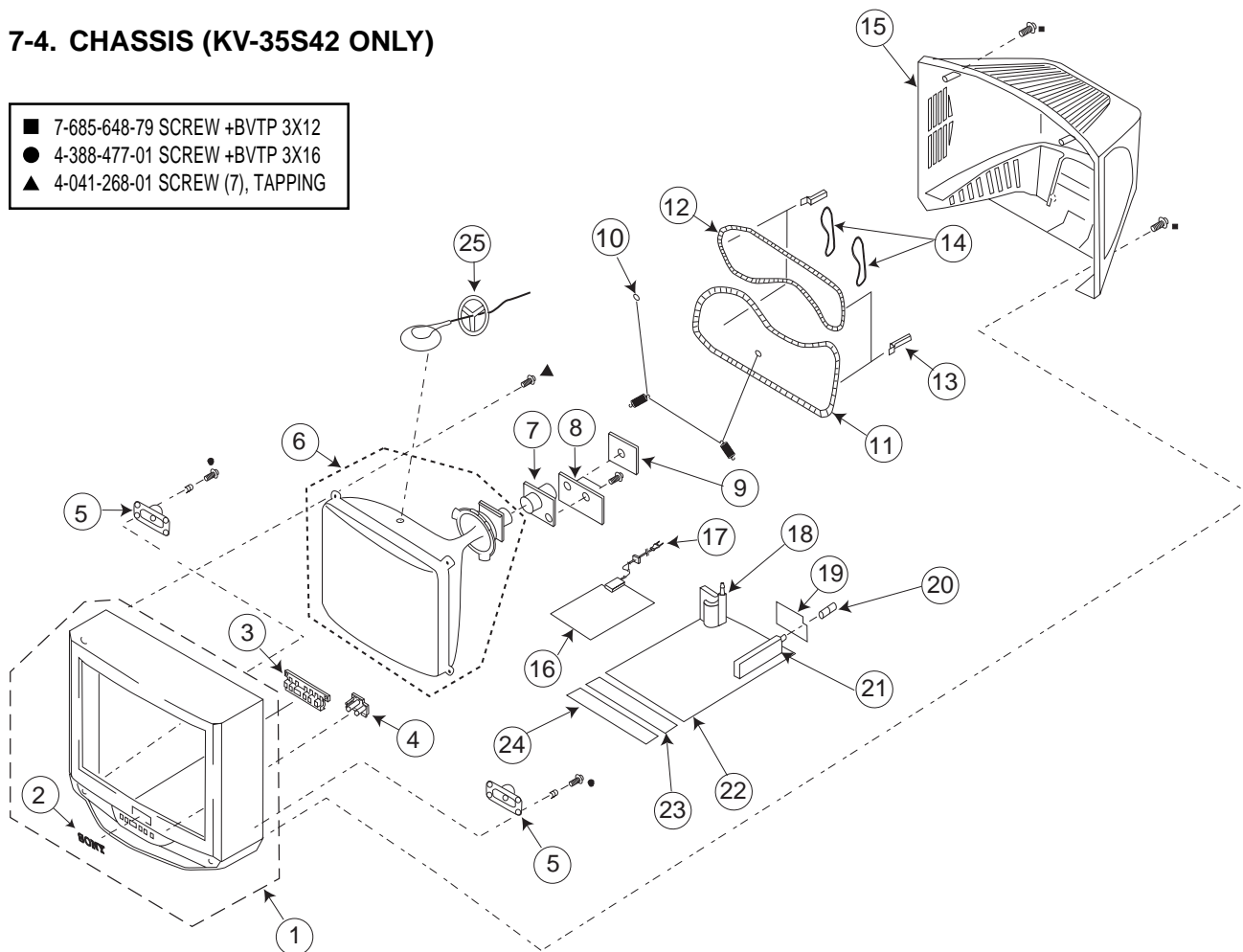
The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un triangle et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-4. CHASSIS (KV-35S42 ONLY)

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-041-268-01 SCREW (7), TAPPING



| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------------------|------------------------|--------|
| 1 | X-4035-596-1 | BEZNET ASSY | 2 |
| 2 | 4-046-160-01 | EMBLEM (NO.9), SONY | |
| 3 | 4-058-053-11 | BUTTON, MULTI | |
| 4 | 4-058-054-01 | BAR, OPTICAL | |
| 5 | 1-504-531-11 | SPEAKER (13.1X6.2CM) | |
| 6 | \triangle 8-733-761-61 | ITC 37GXT-A1/A1597168A | |
| 7 | \triangle 8-453-007-51 | NA324-M5 | |
| 8 | * A-1372-462-A | WA MOUNTED PWB | |
| 9 | * A-1331-843-A | C (VAR) MOUNTED PC | |
| 10 | 4-036-329-01 | SPRING (B), TENSION | |
| 11 | \triangle 1-411-881-21 | COIL, DEGAUSSING | |
| 12 | \triangle 1-411-882-21 | COIL, DEGAUSSING | |
| 13 | * 4-052-900-02 | HOLDER, DGC | |
| 14 | 4-059-585-01 | TIE, CABLE | |
| 15 | 4-058-052-22 | COVER, REAR | |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------------------|---|--------|
| 16 | * A-1316-399-A | G COMPLETE PC BOARD | |
| 17 | \triangle 1-790-315-11 | CORD, AC POWER(WITH CONNECTOR) | |
| 17 | \triangle 1-751-059-11 | CORD, POWER (WITH CONNECTOR) (35S42CND ONLY) | |
| 18 | \triangle X-4560-159-1 | FBT ASSY NX-3005/JIC4 | |
| 19 | * A-1135-950-A | B COMPLETE PC BOARD | |
| 20 | 1-766-374-11 | PLUG, F-PIN | |
| 21 | \triangle 8-598-431-00 | TUNER FSS BTF-WA411 | |
| 22 | * A-1298-899-A | A COMPLETE PC BOARD | |
| 23 | * A-1372-523-A | HV (VAR) MOUNTED PC | |
| 24 | * A-1372-507-A | HS (COM) MOUNTED PC | |
| 25 | 3-704-372-31 | HOLDER, HV CABLE | |

Note:

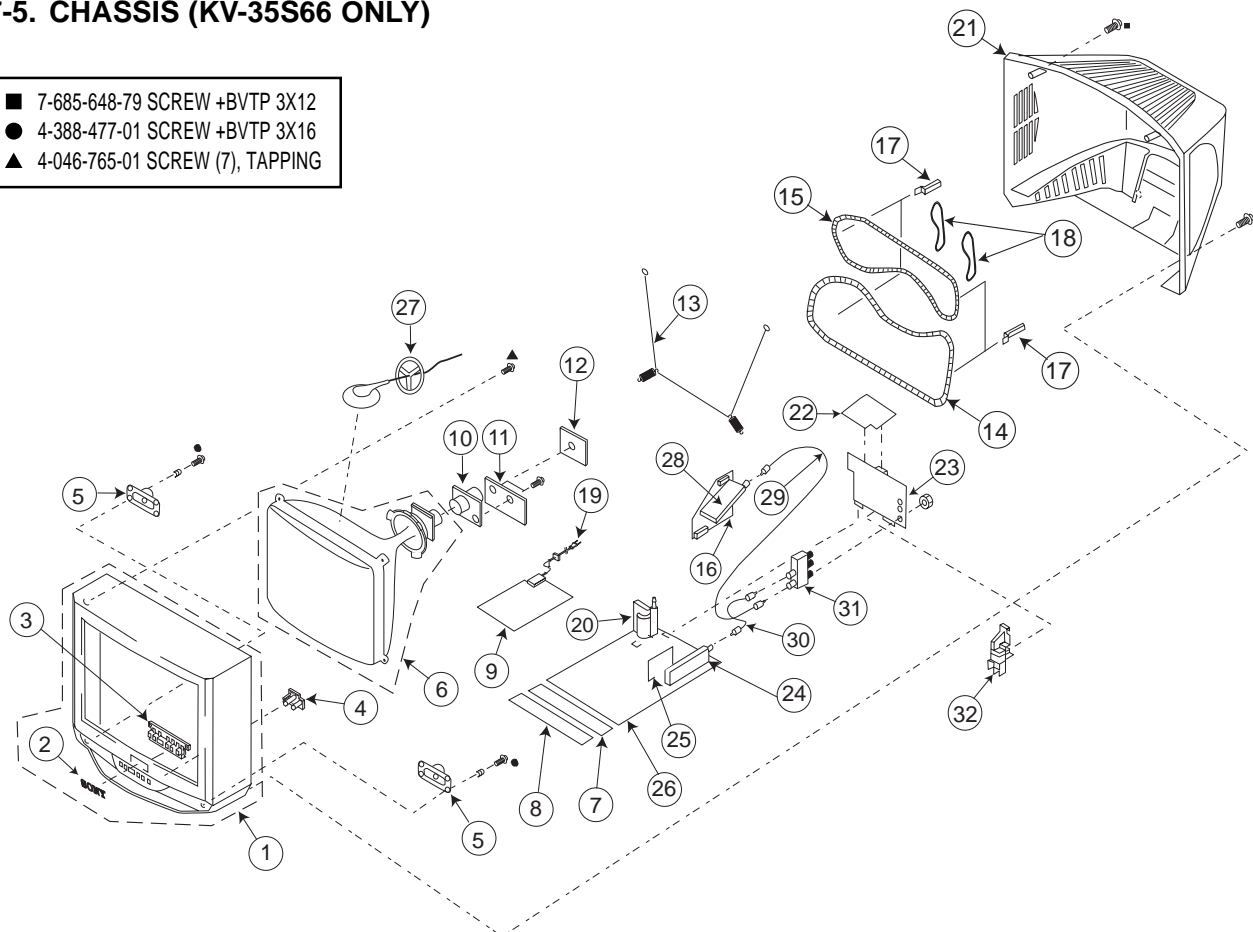
The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un triangle et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-5. CHASSIS (KV-35S66 ONLY)

- 7-685-648-79 SCREW +BVTP 3X12
- 4-388-477-01 SCREW +BVTP 3X16
- ▲ 4-046-765-01 SCREW (7), TAPPING



| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

| | | | |
|---|--------------|----------------------|---|
| 1 | X-4035-598-1 | BEZNET ASSY | 2 |
| 2 | 4-046-160-01 | EMBLEM (NO.9), SONY | |
| 3 | 4-058-053-11 | BUTTON, MULTI | |
| 4 | 4-058-054-01 | BAR, OPTICAL | |
| 5 | 1-504-531-11 | SPEAKER (13.1X6.2CM) | |

| | | | |
|----|--------------------------|------------------------|--|
| 6 | \triangle 8-733-761-61 | ITC 37GXT-A1/A1597168A | |
| 7 | * A-1372-507-A | HS COMPLETE PC BOARD | |
| 8 | * A-1372-523-A | HV (VAR) MOUNTED PC | |
| 9 | * A-1316-399-A | G COMPLETE PC BOARD | |
| 10 | \triangle 8-453-007-51 | NA324-M5 | |

| | | | |
|----|--------------------------|---------------------|--|
| 11 | * A-1372-462-A | WA MOUNTED PWB | |
| 12 | * A-1331-843-A | C (VAR) MOUNTED PC | |
| 13 | 4-036-329-01 | SPRING (B), TENSION | |
| 14 | \triangle 1-411-881-21 | COIL, DEGAUSSING | |
| 15 | \triangle 1-411-882-21 | COIL, DEGAUSSING | |

| | | | |
|----|--------------------------|--|--|
| 16 | * A-1298-612-A | AV COMPLETE PC BOARD | |
| 17 | * 4-052-900-02 | HOLDER, DGC | |
| 18 | 4-059-585-01 | TIE, CABLE | |
| 19 | \triangle 1-751-059-11 | CORD, POWER (WITH CONNECTOR) (KV-35S66CND ONLY) | |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

| | | | |
|----|--------------------------|---------------------------------|--|
| 19 | \triangle 1-790-315-11 | CORD, AC POWER (WITH CONNECTOR) | |
| 20 | \triangle X-4560-159-1 | FBT ASSY NX-3005/JIC4 | |
| 21 | 4-058-052-32 | COVER, REAR | |
| 22 | * A-1135-949-A | B COMPLETE PC BOARD | |
| 23 | * A-1394-910-A | UV COMPLETE PC BOARD | |

| | | | |
|----|--------------------------|----------------------|--|
| 24 | \triangle 8-598-431-00 | TUNER, FSS BTF-WA411 | |
| 25 | * A-1195-154-A | P COMPLETE PC BOARD | |
| 26 | * A-1298-897-A | A COMPLETE PC BOARD | |
| 27 | 3-704-372-31 | HOLDER, HV CABLE | |
| 28 | \triangle 8-598-430-00 | TUNER, FSS BTF-FA401 | |

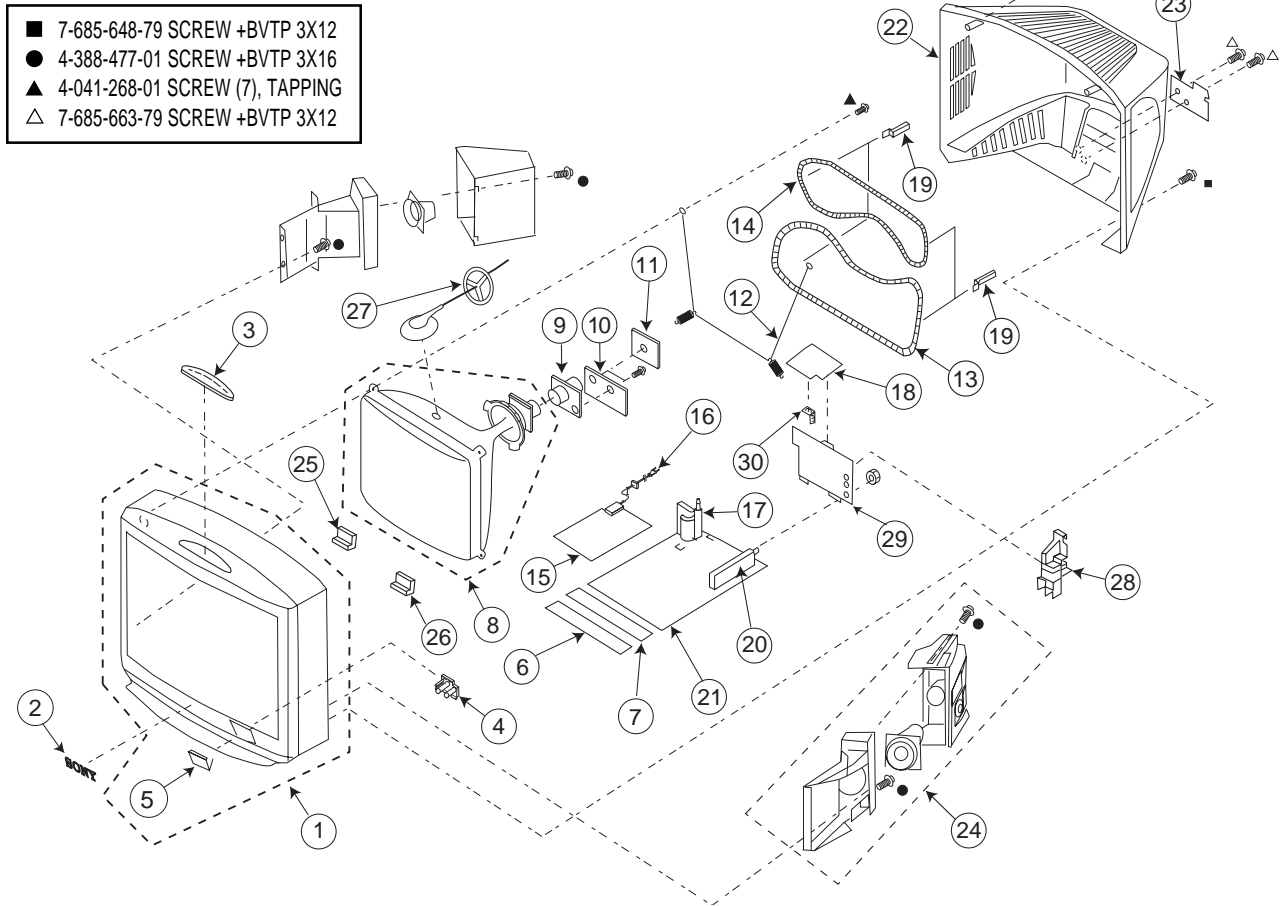
| | | | |
|----|----------------|------------------------|--|
| 29 | * 1-556-945-21 | CABLE, P-P | |
| 30 | * 1-557-056-31 | CABLE, P-P | |
| 31 | 8-598-414-10 | CHANGER, ANTENNA AS-2F | |
| 32 | * 4-052-905-01 | V5/6 BRACKET | |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-6. CHASSIS (KV-35V42 ONLY)

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|----------------|--------------|--------------------------------|--------|
| 1 | X-4036-563-1 | BEZNET ASSY | 5 |
| 2 | 4-046-160-01 | EMBLEM (NO.9), SONY | |
| 3 | 1-473-549-21 | SWITCH BLOCK, CONTROL | |
| 4 * | 4-052-897-01 | GUIDE, LED | |
| 5 | 4-052-906-11 | DOOR, CONTROL | |
| 6 * | A-1372-510-A | HS (VAR) MOUNTED PC BOARD | |
| 7 * | A-1372-684-A | HV (VAR) MOUNTED PC BOARD | |
| 8 \triangle | 8-733-761-61 | ITC 37GXT-A1/A1597168A | |
| 9 \triangle | 8-453-007-51 | NA324-M5 | |
| 10 * | A-1372-462-A | WA MOUNTED PWB | |
| 11 * | A-1331-843-A | C (VAR) MOUNTED PC BOARD | |
| 12 | 4-036-329-01 | SPRING (B), TENSION | |
| 13 \triangle | 1-411-881-21 | COIL, DEGAUSSING | |
| 14 \triangle | 1-411-882-21 | COIL, DEGAUSSING | |
| 15 | A-1316-399-A | G COMPLETE PC BOARD | |
| 16 \triangle | 1-790-315-11 | CORD, AC POWER(WITH CONNECTOR) | |
| 17 \triangle | X-4560-159-1 | FBT ASSY NX-3005//JIC4 | |
| 18 * | A-1135-948-A | B COMPLETE PC BOARD | |
| 19 * | 4-052-900-02 | HOLDER, DGC | |
| 20 \triangle | 8-598-431-00 | TUNER, FSS BTF-WA411 | |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|-------------------------------|--------|
| 21 * | A-1298-898-A | A COMPLETE PC BOARD | |
| 22 | 4-052-903-12 | COVER, REAR | |
| 23 | 4-070-877-11 | LABEL, TUNER TERMINAL | |
| 24 | 1-505-684-11 | SPEAKER UNIT, BOX TYPE (2WAY) | |
| 25 | 4-052-902-01 | CRT SUPPORT (L) | |
| 26 | 4-052-901-01 | CRT SUPPORT (R) | |
| 27 | 3-704-372-31 | HOLDER, HV CABLE | |
| 28 * | 4-052-905-01 | V5/6 BRACKET | |
| 29 | A-1394-905-A | UV COMPLETE PC BOARD | |
| 30 * | 3-696-606-02 | HINGE, VI | |

SECTION 8
ELECTRICAL PARTS LIST

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A**Common Parts Listing****Note:**

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------------------|----------------------------------|------------------------|---------|--------------|----------------------------------|------------------------|
| C390 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | C539 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C391 | 1-163-017-00 | CERAMIC | 0.0047 μ F 10% 50V | C540 | 1-123-024-21 | ELECT | 33 μ F 160V |
| C392 | 1-163-251-11 | CERAMIC | 100pF 5% 50V | C541 | 1-128-560-11 | ELECT | 22 μ F 20% 100V |
| C461 | | VARIANT (SEE VARIANT PARTS LIST) | | C542 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C462 | 1-126-961-11 | ELECT | 2.2 μ F 20% 50V | C545 | 1-106-387-00 | MYLAR | 0.068 μ F 10% 200V |
| C463 | 1-126-961-11 | ELECT | 2.2 μ F 20% 50V | C546 | 1-106-343-00 | MYLAR | 0.001 μ F 10% 100V |
| C464 | 1-163-017-00 | CERAMIC | 0.0047 μ F 10% 50V | C547 | 1-106-343-00 | MYLAR | 0.001 μ F 10% 100V |
| C466 | 1-104-666-11 | ELECT | 220 μ F 20% 25V | C551 | 1-163-037-11 | CERAMIC | 0.022 μ F 10% 50V |
| C467 | 1-163-017-00 | CERAMIC | 0.0047 μ F 10% 50V | C561 | 1-126-967-11 | ELECT | 47 μ F 20% 50V |
| C468 | 1-104-664-11 | ELECT | 47 μ F 20% 25V | C563 | 1-126-934-11 | ELECT | 220 μ F 20% 10V |
| C470 | 1-126-961-11 | ELECT | 2.2 μ F 20% 50V | C564 | 1-126-960-11 | ELECT | 1 μ F 20% 50V |
| C471 | 1-104-666-11 | ELECT | 220 μ F 20% 25V | C565 | 1-126-969-11 | ELECT | 220 μ F 20% 50V |
| C472 | 1-137-194-81 | FILM | 0.47 μ F 5% 50V | C566 | 1-104-664-11 | ELECT | 47 μ F 20% 25V |
| C473 | 1-136-169-00 | FILM | 0.22 μ F 5% 50V | C568 | 1-136-169-00 | FILM | 0.22 μ F 5% 50V |
| C474 | 1-126-942-61 | ELECT | 1000 μ F 20% 25V | C571 | 1-104-664-11 | ELECT | 47 μ F 20% 25V |
| C475 | 1-136-169-00 | FILM | 0.22 μ F 5% 50V | C1002 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| C476 | 1-126-942-61 | ELECT | 1000 μ F 20% 25V | C1101 | 1-126-768-11 | ELECT | 2200 μ F 20% 16V |
| C477 | 1-126-942-61 | ELECT | 1000 μ F 20% 25V | C1103 | 1-126-965-11 | ELECT | 22 μ F 20% 50V |
| C501 | 1-163-259-91 | CERAMIC | 220pF 5% 50V | C1104 | 1-104-664-11 | ELECT | 47 μ F 20% 16V |
| C502 | 1-126-959-11 | ELECT | 0.47 μ F 20% 50V | C1105 | 1-104-664-11 | ELECT | 47 μ F 20% 16V |
| C503 | 1-163-003-11 | CERAMIC | 330pF 10% 50V | C1106 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| C504 | 1-102-212-00 | CERAMIC | 820pF 10% 500V | C1107 | 1-163-003-11 | CERAMIC | 330pF 10% 50V |
| C505 | 1-102-002-00 | CERAMIC | 680pF 10% 500V | C1108 | 1-126-960-11 | ELECT | 1 μ F 20% 50V |
| C506 | 1-106-383-00 | MYLAR | 0.047 μ F 10% 200V | C1109 | 1-126-964-11 | ELECT | 10 μ F 20% 50V |
| C507 | \triangle 1-162-116-00 | CERAMIC | 680pF 10% 2KV | C1110 | 1-163-227-11 | CERAMIC | 10pF 0.50% 50V |
| C508 | 1-102-244-00 | CERAMIC | 220pF 10% 500V | C1111 | 1-163-227-11 | CERAMIC | 10pF 0.50% 50V |
| C509 | 1-162-116-00 | CERAMIC | 680pF 10% 2KV | C1112 | 1-163-227-11 | CERAMIC | 10pF 0.50% 50V |
| C510 | 1-137-150-11 | MYLAR | 0.01 μ F 10% 100V | C1236 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C511 | \triangle 1-115-460-11 | FILM | 0.022 μ F 3% 1.2KV | C1237 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C513 | | VARIANT (SEE VARIANT PARTS LIST) | | C1238 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C514 | | VARIANT (SEE VARIANT PARTS LIST) | | C1239 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C515 | 1-106-343-00 | MYLAR | 0.001 μ F 10% 100V | C1240 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C516 | 1-115-461-11 | FILM | 2 μ F 5% 200V | C1241 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C517 | 1-107-649-11 | ELECT | 2.2 μ F 20% 250V | C1242 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C518 | 1-106-395-00 | MYLAR | 0.15 μ F 10% 200V | C1243 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C519 | 1-162-815-11 | CERAMIC | 47pF 5% 500V | C1244 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C520 | | VARIANT (SEE VARIANT PARTS LIST) | | C1245 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C521 | | VARIANT (SEE VARIANT PARTS LIST) | | C1261 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C522 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | C1262 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C525 | 1-102-244-00 | CERAMIC | 220pF 10% 500V | C1263 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C526 | 1-107-662-11 | ELECT | 22 μ F 20% 250V | C1264 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C527 | 1-162-116-00 | CERAMIC | 680pF 10% 2KV | C1267 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C528 | 1-164-161-11 | CERAMIC | 0.0022 μ F 10% 50V | C1268 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C529 | 1-128-551-11 | ELECT | 22 μ F 20% 25V | C1269 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C530 | 1-137-366-11 | FILM | 0.0022 μ F 5% 50V | C1293 | | VARIANT (SEE VARIANT PARTS LIST) | |
| C531 | 1-126-965-11 | ELECT | 22 μ F 20% 50V | C1351 | 1-163-251-11 | CERAMIC | 100pF 5% 50V |
| C532 | 1-126-965-11 | ELECT | 22 μ F 20% 50V | C1352 | 1-126-933-11 | ELECT | 100 μ F 20% 16V |
| C534 | 1-126-967-11 | ELECT | 47 μ F 20% 50V | C1353 | 1-163-037-11 | CERAMIC | 0.022 μ F 10% 50V |
| C537 | | VARIANT (SEE VARIANT PARTS LIST) | | C1354 | 1-216-295-91 | SHORT | |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Common Parts Listing**A**

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------|------------------|----------------------------------|----------------|---------|--------------------------|----------------------------------|--------------|
| C1401 | | VARIANT (SEE VARIANT PARTS LIST) | | D502 | \triangle 8-719-945-80 | DIODE | ERC06-15S |
| C1402 | | VARIANT (SEE VARIANT PARTS LIST) | | D503 | \triangle 8-719-945-80 | DIODE | ERC06-15S |
| C1403 | | VARIANT (SEE VARIANT PARTS LIST) | | D504 | 8-719-900-26 | DIODE | ERD29-08J |
| C1404 | | VARIANT (SEE VARIANT PARTS LIST) | | D505 | 8-719-908-03 | DIODE | GP08D |
| C1405 | | VARIANT (SEE VARIANT PARTS LIST) | | D506 | 8-719-908-03 | DIODE | GP08D |
| C1406 | | VARIANT (SEE VARIANT PARTS LIST) | | D507 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C1407 | | VARIANT (SEE VARIANT PARTS LIST) | | D515 | 8-719-302-43 | DIODE | EL1Z |
| C1408 | | VARIANT (SEE VARIANT PARTS LIST) | | D516 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C1409 | | VARIANT (SEE VARIANT PARTS LIST) | | D518 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C1410 | | VARIANT (SEE VARIANT PARTS LIST) | | D519 | \triangle 8-719-302-43 | DIODE | EL1Z |
| C1411 | | VARIANT (SEE VARIANT PARTS LIST) | | D520 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C1413 | | VARIANT (SEE VARIANT PARTS LIST) | | D521 | 8-719-921-63 | DIODE | MTZJ-7.5B |
| C1415 | | VARIANT (SEE VARIANT PARTS LIST) | | D530 | \triangle 8-719-979-85 | DIODE | EGP20G |
| C1416 | | VARIANT (SEE VARIANT PARTS LIST) | | D531 | 8-719-979-85 | DIODE | EGP20G |
| C1417 | | VARIANT (SEE VARIANT PARTS LIST) | | D534 | 8-719-302-43 | DIODE | EL1Z |
| C1420 | | VARIANT (SEE VARIANT PARTS LIST) | | D536 | 8-719-908-03 | DIODE | GP08D |
| C1501 | | VARIANT (SEE VARIANT PARTS LIST) | | D561 | 8-719-908-03 | DIODE | GP08D |
| | CONNECTOR | | | D562 | 8-719-991-33 | DIODE | 1SS133T-77 |
| CN106 | 1-508-784-00 | PIN,CONNECTOR(5MM PITCH) 1P | | D1102 | 8-719-982-24 | DIODE | MTZJ-33A |
| CN270 | 1-573-298-11 | CONNECTOR,BOARD TO BOARD 20P | | D1103 | \triangle 8-719-109-89 | DIODE | RD5.6ESB2 |
| CN271 | | VARIANT (SEE VARIANT PARTS LIST) | | D1247 | | VARIANT (SEE VARIANT PARTS LIST) | |
| CN351 | 1-564-509-11 | PLUG, CONNECTOR 6P | | D1248 | | VARIANT (SEE VARIANT PARTS LIST) | |
| CN461 | 1-564-507-11 | PLUG,CONNECTOR 4P | | D1261 | | VARIANT (SEE VARIANT PARTS LIST) | |
| CN501 | 1-580-798-11 | CONNECTOR PIN (DY) 6P | | D1262 | | VARIANT (SEE VARIANT PARTS LIST) | |
| CN503 | 1-564-508-11 | PLUG,CONNECTOR 5P | | D1263 | 8-719-110-17 | DIODE | RD10ESB2 |
| CN1001 * | 1-564-512-11 | PLUG,CONNECTOR 9P | | D1264 | 8-719-110-17 | DIODE | RD10ESB2 |
| CN1101 | | VARIANT (SEE VARIANT PARTS LIST) | | | FERRITE BEAD | | |
| CN1231 | | VARIANT (SEE VARIANT PARTS LIST) | | FB501 | 1-410-396-41 | FERRITE | 0.45 μ H |
| CN1641 * | 1-564-515-11 | PLUG,CONNECTOR 12P | | FB502 | 1-410-397-21 | FERRITE | 1.1 μ H |
| CN1941 | | VARIANT (SEE VARIANT PARTS LIST) | | FB503 | 1-410-397-21 | FERRITE | 1.1 μ H |
| CN3003 | | VARIANT (SEE VARIANT PARTS LIST) | | | IC | | |
| | DIODE | | | IC001 | 8-752-906-40 | IC CXP85848A-028S | |
| D001 | 8-719-991-33 | DIODE | 1SS133T-77 | IC002 | 8-759-518-23 | IC ST24C04FM6TR | |
| D002 | 8-719-109-89 | DIODE | RD5.6ESB2 | IC003 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D003 | 8-719-991-33 | DIODE | 1SS133T-77 | IC351 | \triangle 8-752-082-73 | IC CXA2095S | |
| D004 | 8-719-110-17 | DIODE | RD10ESB2 | IC461 | \triangle 8-759-980-43 | IC TDA2009A | |
| D005 | | VARIANT (SEE VARIANT PARTS LIST) | | IC501 | 8-759-700-07 | IC NJM2903M-TE2 | |
| D006 | | VARIANT (SEE VARIANT PARTS LIST) | | IC561 | \triangle 8-759-980-58 | IC TDA8172 | |
| D011 | 8-719-983-20 | DIODE | MTZJ-T-77-4.3C | IC1261 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D013 | 8-719-991-33 | DIODE | 1SS133T-77 | IC1401 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D014 | 8-719-991-33 | DIODE | 1SS133T-77 | IC1402 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D015 | 8-719-991-33 | DIODE | 1SS133T-77 | | JACK | | |
| D353 | 8-719-991-33 | DIODE | 1SS133T-77 | J1232 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D356 | 8-719-991-33 | DIODE | 1SS133T-77 | J1233 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D360 | 8-719-110-17 | DIODE | RD10ESB2 | J1234 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D362 | 8-719-991-33 | DIODE | 1SS133T-77 | | CHIP CONDUCTOR | | |
| D368 | | VARIANT (SEE VARIANT PARTS LIST) | | JR001 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D462 | 8-719-991-33 | DIODE | 1SS133T-77 | JR200 | | VARIANT (SEE VARIANT PARTS LIST) | |
| D501 | 8-719-109-89 | DIODE | RD5.6ESB2 | JR351 | | VARIANT (SEE VARIANT PARTS LIST) | |



Common Parts Listing

Note:

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

Note:

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| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|-------------------|--------------|----------------------------------|--------|-----------------|--------------|----------------------------------|--------|
| JR352 | | VARIANT (SEE VARIANT PARTS LIST) | | Q356 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| JR501 | 1-216-295-91 | SHORT | | Q357 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR1264 | | VARIANT (SEE VARIANT PARTS LIST) | | Q358 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR1417 | | VARIANT (SEE VARIANT PARTS LIST) | | Q461 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR1450 | | VARIANT (SEE VARIANT PARTS LIST) | | Q462 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| JR1451 | | VARIANT (SEE VARIANT PARTS LIST) | | Q501 | 8-729-140-50 | TRANSISTOR 2SC3209LK | |
| JR1454 | 1-216-295-91 | SHORT | | Q502 △ | 8-729-035-75 | TRANSISTOR 2SC5148(LBSONY) | |
| JR1456 | 1-216-295-91 | SHORT | | Q511 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR1801 | 1-216-295-91 | SHORT | | Q512 △ | 8-729-809-29 | TRANSISTOR 2SC4159-E | |
| JR1802 | 1-216-295-91 | SHORT | | Q551 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| JR1803 | 1-216-295-91 | SHORT | | Q552 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR1804 | 1-216-295-91 | SHORT | | Q561 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| JR4120 | 1-216-295-91 | SHORT | | Q562 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| COIL | | | | Q563 | 8-729-105-08 | TRANSISTOR 2SA1330-06 | |
| L001 | 1-408-421-00 | INDUCTOR 100μH | | Q1102 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| L002 | 1-408-421-00 | INDUCTOR 100μH | | Q1103 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | |
| L003 | 1-410-470-11 | INDUCTOR 10μH | | Q1231 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L004 | 1-410-470-11 | INDUCTOR 10μH | | Q1232 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L352 | 1-412-537-31 | INDUCTOR 100μH | | Q1261 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L461 | | VARIANT (SEE VARIANT PARTS LIST) | | Q1262 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L501 △ | 1-411-976-11 | COIL,HORIZONTAL LINEARITY | | Q1263 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L502 | 1-412-552-11 | INDUCTOR 2.2μH | | RESISTOR | | | |
| L503 | 1-406-677-11 | INDUCTOR 10μH | | R001 | 1-216-045-00 | RES,CHIP 680 5% 1/10W | |
| L511 △ | 1-406-607-41 | INDUCTOR 15μH | | R002 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| L517 | 1-412-552-11 | INDUCTOR 2.2μH | | R003 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| L541 | | VARIANT (SEE VARIANT PARTS LIST) | | R004 | 1-216-121-91 | RES,CHIP 1M 5% 1/10W | |
| L1101 | 1-408-421-00 | INDUCTOR 100μH | | R006 | | VARIANT (SEE VARIANT PARTS LIST) | |
| L1102 | 1-410-470-11 | INDUCTOR 10μH | | R007 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| L1401 | | VARIANT (SEE VARIANT PARTS LIST) | | R008 | | VARIANT (SEE VARIANT PARTS LIST) | |
| IC LINK | | | | R009 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| PS461 △ | 1-532-984-11 | LINK, IC 2A/90V | | R010 | 1-216-037-00 | RES,CHIP 330 5% 1/10W | |
| TRANSISTOR | | | | R011 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| Q001 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R012 | | VARIANT (SEE VARIANT PARTS LIST) | |
| Q002 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R013 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| Q003 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R014 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| Q004 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R015 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| Q010 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R016 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| Q011 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R019 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |
| Q012 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R020 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| Q013 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R021 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| Q014 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R022 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| Q015 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R023 | 1-216-089-91 | RES,CHIP 47K 5% 1/10W | |
| Q016 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R024 △ | 1-249-381-11 | CARBON 1 5% 1/4W F | |
| Q017 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R025 | 1-163-010-11 | CERAMIC 0.0012 10% 50V | |
| Q018 | | VARIANT (SEE VARIANT PARTS LIST) | | R026 | 1-163-038-91 | CERAMIC 0.1 25V | |
| Q301 △ | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R027 △ | 1-249-389-11 | CARBON 4.7 5% 1/4W F | |
| Q302 △ | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R028 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| Q303 △ | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R029 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| Q354 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R030 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | |

Note:

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Note:

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Common Parts Listing**A**

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|----------------------------------|--------|---------|--------------------------|----------------------------------|--------|
| R031 | | VARIANT (SEE VARIANT PARTS LIST) | | R087 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R032 | 1-247-815-91 | CARBON 220 5% 1/4W | | R089 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R036 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | R090 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R037 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | R092 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R038 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | R093 | \triangle 1-249-387-11 | CARBON 3.3 5% 1/4W | F |
| R039 | 1-247-807-31 | CARBON 100 5% 1/4W | | R094 | \triangle 1-249-381-11 | CARBON 1 5% 1/4W | F |
| R040 | | VARIANT (SEE VARIANT PARTS LIST) | | R096 | 1-216-351-00 | METAL 1.5 5% 1W | F |
| R041 | | VARIANT (SEE VARIANT PARTS LIST) | | R097 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| R042 | | VARIANT (SEE VARIANT PARTS LIST) | | R098 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R044 | | VARIANT (SEE VARIANT PARTS LIST) | | R099 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| R045 | | VARIANT (SEE VARIANT PARTS LIST) | | R101 | \triangle 1-249-381-11 | CARBON 1 5% 1/4W | F |
| R046 | 1-247-815-91 | CARBON 220 5% 1/4W | | R102 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R047 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R104 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R048 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R131 | 1-216-035-00 | RES,CHIP 270 5% 1/10W | |
| R049 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R132 | 1-216-115-00 | RES,CHIP 560K 5% 1/10W | |
| R052 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | R133 | 1-216-039-00 | RES,CHIP 390 5% 1/10W | |
| R053 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | R135 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R054 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | R136 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R055 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | | R137 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |
| R056 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R353 | 1-208-788-11 | RES,CHIP 1.8K 0.50% 1/10W | |
| R057 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R354 | 1-216-077-91 | RES,CHIP 15K 5% 1/10W | |
| R058 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R355 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R059 | | VARIANT (SEE VARIANT PARTS LIST) | | R356 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R060 | | VARIANT (SEE VARIANT PARTS LIST) | | R358 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R061 | | VARIANT (SEE VARIANT PARTS LIST) | | R359 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R062 | | VARIANT (SEE VARIANT PARTS LIST) | | R360 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R063 | | VARIANT (SEE VARIANT PARTS LIST) | | R361 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R064 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R362 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R065 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R363 | \triangle 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R066 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R364 | 1-216-101-00 | RES,CHIP 150K 5% 1/10W | |
| R067 | 1-216-041-00 | RES,CHIP 470 5% 1/10W | | R365 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R068 | 1-247-815-91 | CARBON 220 5% 1/4W | | R366 | 1-216-089-91 | RES,CHIP 47K 5% 1/10W | |
| R069 | | VARIANT (SEE VARIANT PARTS LIST) | | R367 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| R070 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | | R368 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R071 | 1-247-815-91 | CARBON 220 5% 1/4W | | R369 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| R072 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R370 | 1-249-417-11 | CARBON 1K 5% 1/4W | |
| R073 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R371 | 1-216-053-00 | RES,CHIP 1.5K 5% 1/10W | |
| R074 | | VARIANT (SEE VARIANT PARTS LIST) | | R372 | 1-216-113-00 | RES,CHIP 470K 5% 1/10W | |
| R075 | | VARIANT (SEE VARIANT PARTS LIST) | | R373 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R076 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R374 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R077 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R375 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R078 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R376 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R079 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | R379 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R080 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | | R380 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R081 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | | R381 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R082 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | | R382 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R083 | 1-249-429-11 | CARBON 10K 5% 1/4W | | R383 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |
| R084 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | R384 | 1-216-109-00 | RES,CHIP 330K 5% 1/10W | |
| R085 | | VARIANT (SEE VARIANT PARTS LIST) | | R385 | 1-249-422-11 | CARBON 2.7K 5% 1/4W | |

A**Note:**

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

Note:

The components identified by **⊠** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|----------------------------------|--------|----------|--------------|----------------------------------|--------|
| R386 | | VARIANT (SEE VARIANT PARTS LIST) | | R518 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R387 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | R519 | 1-249-411-11 | CARBON 330 5% 1/4W | |
| R388 | 1-216-089-91 | RES,CHIP 47K 5% 1/10W | | R521 | 1-215-915-11 | METAL 470 5% 3W | F |
| R389 | 1-216-067-00 | RES,CHIP 5.6K 5% 1/10W | | R523 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R390 | 1-216-035-00 | RES,CHIP 270 5% 1/10W | | R524 | 1-249-429-11 | CARBON 10K 5% 1/4W | |
| R391 | 1-208-810-11 | RES,CHIP 15K 0.50% 1/10W | | R525 | 1-216-071-00 | RES,CHIP 8.2K 5% 1/10W | |
| R392 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | | R528 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| R393 | 1-216-043-91 | RES,CHIP 560 5% 1/10W | | R529 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R394 | 1-216-059-00 | RES,CHIP 2.7K 5% 1/10W | | ⊠ R530 △ | 1-208-808-11 | RES,CHIP 12K 0.50% 1/10W | |
| R395 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | ⊠ R531 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R396 | 1-249-417-11 | CARBON 1K 5% 1/4W | | R532 | 1-208-760-11 | RES,CHIP 120 0.50% 1/10W | |
| R397 | 1-249-425-11 | CARBON 4.7K 5% 1/4W | | R533 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R461 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | | R535 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R462 | 1-216-089-91 | RES,CHIP 47K 5% 1/10W | | R536 △ | 1-249-377-11 | CARBON 0.47 5% 1/4W | F |
| R463 | 1-249-435-11 | CARBON 33K 5% 1/4W | | R537 △ | 1-249-377-11 | CARBON 0.47 5% 1/4W | F |
| R464 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | | R538 | 1-247-887-00 | CARBON 220K 5% 1/4W | |
| R465 | 1-249-413-11 | CARBON 470 5% 1/4W | | R541 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R466 | | VARIANT (SEE VARIANT PARTS LIST) | | R542 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R467 | 1-216-069-00 | RES,CHIP 6.8K 5% 1/10W | | R543 △ | 1-249-377-11 | CARBON 0.47 5% 1/4W | F |
| R469 | | VARIANT (SEE VARIANT PARTS LIST) | | R546 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R470 | 1-216-077-91 | RES,CHIP 15K 5% 1/10W | | R547 | 1-215-457-00 | METAL 33K 1% 1/4W | |
| R471 | 1-216-069-00 | RES,CHIP 6.8K 5% 1/10W | | R549 △ | 1-215-437-00 | METAL 4.7K 1% 1/4W | |
| R472 | | VARIANT (SEE VARIANT PARTS LIST) | | R550 △ | 1-249-377-11 | CARBON 0.47 5% 1/4W | F |
| R473 | 1-249-398-11 | CARBON 27 5% 1/4W | | R551 | 1-215-873-00 | METAL 4.7K 5% 1W | F |
| R474 | 1-216-077-91 | RES,CHIP 15K 5% 1/10W | | R552 | 1-216-069-00 | RES,CHIP 6.8K 5% 1/10W | |
| R475 | 1-249-430-11 | CARBON 12K 5% 1/4W | | R553 △ | 1-260-288-11 | CARBON 0.47 5% 1/2W | |
| R476 | 1-249-430-11 | CARBON 12K 5% 1/4W | | R554 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| R477 | 1-249-398-11 | CARBON 27 5% 1/4W | | R561 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R478 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | F | R563 | 1-216-351-00 | METAL 1.5 5% 1W | F |
| R479 | 1-249-418-11 | CARBON 1.2K 5% 1/4W | F | R564 | 1-249-393-11 | CARBON 10 5% 1/4W | |
| R480 | 1-249-385-11 | CARBON 2.2 5% 1/4W | F | R565 | 1-215-890-11 | METAL 470 5% 2W | F |
| R481 | 1-249-385-11 | CARBON 2.2 5% 1/4W | F | R566 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R482 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | | R567 | 1-249-385-11 | CARBON 2.2 5% 1/4W | F |
| R483 | 1-249-421-11 | CARBON 2.2K 5% 1/4W | | R568 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R501 | 1-216-037-00 | RES,CHIP 330 5% 1/10W | | R569 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R502 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | R570 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| R503 | 1-249-426-11 | CARBON 5.6K 5% 1/4W | F | R571 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| R504 | 1-215-915-11 | METAL 470 5% 3W | F | R572 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| R505 | 1-249-431-11 | CARBON 15K 5% 1/4W | | R573 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| R506 | 1-215-861-00 | METAL 47 5% 1W | F | R574 △ | 1-216-365-00 | METAL 0.47 5% 2W | F |
| R507 | 1-249-401-11 | CARBON 47 5% 1/4W | | R575 | 1-216-113-00 | RES,CHIP 470K 5% 1/10W | |
| R508 | 1-249-427-11 | CARBON 6.8K 5% 1/4W | | R576 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| R509 | 1-247-750-11 | CARBON 680 5% 1/2W | F | R577 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| R510 | 1-215-860-11 | METAL 33 5% 1W | F | R578 | 1-208-784-11 | RES,CHIP 1.2K 0.50% 1/10W | |
| R511 | | VARIANT (SEE VARIANT PARTS LIST) | | R579 | 1-208-842-11 | RES,CHIP 330K 0.50% 1/10W | |
| R512 | 1-215-911-11 | METAL 100 5% 3W | F | R580 | 1-249-441-11 | CARBON 100K 5% 1/4W | |
| R515 | | VARIANT (SEE VARIANT PARTS LIST) | | R1009 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R516 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | | R1010 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R517 | 1-249-415-11 | CARBON 680 5% 1/4W | | R1101 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


Common Parts Listing**A**

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|----------------------------------|---------------|---------|--------------|----------------------------------|--------|
| R1102 | 1-215-900-11 | METAL | 22K 5% 2W F | R1266 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1103 | 1-216-051-00 | RES,CHIP | 1.2K 5% 1/10W | R1267 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1104 | 1-216-083-00 | RES,CHIP | 27K 5% 1/10W | R1268 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1105 | 1-216-689-11 | RES,CHIP | 39K 5% 1/10W | R1270 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1106 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | R1273 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1107 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W | R1274 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1108 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | R1277 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1109 | 1-216-019-00 | RES,CHIP | 56 5% 1/10W | R1278 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1110 | 1-216-019-00 | RES,CHIP | 56 5% 1/10W | R1280 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1111 | 1-216-019-00 | RES,CHIP | 56 5% 1/10W | R1282 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1115 | 1-216-045-00 | RES,CHIP | 680 5% 1/10W | R1283 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1117 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R1284 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1118 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W | R1286 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1120 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1287 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1121 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W | R1288 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1122 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W | R1290 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1123 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W | R1291 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1125 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1292 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1126 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W | R1293 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1127 | 1-216-115-00 | RES,CHIP | 560K 5% 1/10W | R1294 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1128 | 1-216-039-00 | RES,CHIP | 390 5% 1/10W | R1295 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1130 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W | R1296 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1234 | | VARIANT (SEE VARIANT PARTS LIST) | | R1351 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R1240 | | VARIANT (SEE VARIANT PARTS LIST) | | R1352 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R1241 | | VARIANT (SEE VARIANT PARTS LIST) | | R1353 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| R1242 | | VARIANT (SEE VARIANT PARTS LIST) | | R1354 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| R1243 | | VARIANT (SEE VARIANT PARTS LIST) | | R1355 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R1244 | | VARIANT (SEE VARIANT PARTS LIST) | | R1356 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R1245 | | VARIANT (SEE VARIANT PARTS LIST) | | R1357 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R1246 | | VARIANT (SEE VARIANT PARTS LIST) | | R1358 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R1247 | | VARIANT (SEE VARIANT PARTS LIST) | | R1359 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | |
| R1248 | | VARIANT (SEE VARIANT PARTS LIST) | | R1360 | 1-216-069-00 | RES,CHIP 6.8K 5% 1/10W | |
| R1249 | | VARIANT (SEE VARIANT PARTS LIST) | | R1361 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| R1250 | | VARIANT (SEE VARIANT PARTS LIST) | | R1362 | 1-216-295-91 | SHORT | |
| R1251 | | VARIANT (SEE VARIANT PARTS LIST) | | R1407 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1252 | | VARIANT (SEE VARIANT PARTS LIST) | | R1410 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1253 | | VARIANT (SEE VARIANT PARTS LIST) | | R1411 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1254 | | VARIANT (SEE VARIANT PARTS LIST) | | R1412 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1255 | | VARIANT (SEE VARIANT PARTS LIST) | | R1413 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1256 | | VARIANT (SEE VARIANT PARTS LIST) | | R1414 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1257 | | VARIANT (SEE VARIANT PARTS LIST) | | R1415 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1258 | | VARIANT (SEE VARIANT PARTS LIST) | | R1418 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1259 | | VARIANT (SEE VARIANT PARTS LIST) | | R1419 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1260 | | VARIANT (SEE VARIANT PARTS LIST) | | R1420 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1261 | | VARIANT (SEE VARIANT PARTS LIST) | | R1421 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1262 | | VARIANT (SEE VARIANT PARTS LIST) | | R1424 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1263 | | VARIANT (SEE VARIANT PARTS LIST) | | R1425 | | VARIANT (SEE VARIANT PARTS LIST) | |
| R1264 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| R1265 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |





Common Parts Listing

Note:

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|--------------------|--|----------------------------------|--------|---------|----------|-------------|--------|
| SWITCH | | | | | | | |
| S001 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S002 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S003 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S004 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S005 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S006 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S007 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| S501 | 1-572-707-11 | SWITCH, LEVER | | | | | |
| TRANSFORMER | | | | | | | |
| T501 | 1-437-210-11 | TRANSFORMER,HORIZONTAL DRIVE | | | | | |
| T502 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| T503 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| T504 | | VARIANT (SEE VARIANT PARTS LIST) | | | | | |
| TUNER | | | | | | | |
| TU102 |  8-598-431-00 | TUNER, FSS BTF-WA411 | | | | | |
| CRYSTAL | | | | | | | |
| X001 | 1-578-774-11 | VIBRATOR, CRYSTAL | | | | | |
| X353 | 1-567-505-11 | OSCILLATOR, CRYSTAL | | | | | |
| X354 | 1-577-611-11 | OSCILLATOR, CERAMIC | | | | | |

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Variant Parts Listing

A

The parts on this page belong to the following model(s) only:

KV-32S42

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|-----------------------|---------------------|------------------------|-----------------------|-----------------------|--------------------|---------------|
| A-Board Variant Parts List | | | | CONNECTOR | | | |
| KV-32S42 | | | | DIODE | | | |
| | * A-1299-001-A | A COMPLETE PC BOARD | | CN1941 * | 1-564-508-11 | PLUG, CONNECTOR 5P | |
| CAPACITOR | | | | IC | | | |
| C068 | 1-164-096-11 | CERAMIC | 0.01 μ F 50V | D005 | 8-719-991-33 | DIODE | 1SS133T-77 |
| C370 | 1-163-037-11 | CERAMIC | 0.022 μ F 10% 50V | D006 | 1-810-039-31 | LED UNIT | |
| C375 | 1-165-319-11 | CERAMIC | 0.1 μ F 50V | D1247 | 8-719-110-17 | DIODE | RD10ESB2 |
| C461 | 1-126-933-11 | ELECT | 100 μ F 20% 16V | D1248 | 8-719-981-99 | DIODE | MTZJ-3.3 |
| C513 | Δ 1-130-895-00 | FILM | 0.056 μ F 5% 400V | D1261 | 8-719-110-17 | DIODE | RD10ESB2 |
| C514 | Δ 1-104-844-11 | FILM | 0.62 μ F 5% 200V | D1262 | 8-719-110-17 | DIODE | RD10ESB2 |
| C520 | 1-164-645-11 | CERAMIC | 1000pF 10% 500V | JACK | | | |
| C521 | 1-164-161-11 | CERAMIC | 0.0022 μ F 10% 50V | J1232 | 1-774-751-11 | TERMINAL BLOCK, S | |
| C537 | 1-126-941-11 | ELECT | 470 μ F 20% 25V | J1234 | 1-774-750-11 | JACK BLOCK, PIN | |
| C539 | 1-126-935-11 | ELECT | 470 μ F 20% 16V | CHIP CONDUCTOR | | | |
| C1236 | 1-163-031-11 | CERAMIC | 0.01 μ F 50V | JR351 | 1-216-295-91 | SHORT | |
| C1237 | 1-136-161-00 | FILM | 0.047 μ F 5% 50V | JR352 | 1-216-295-91 | SHORT | |
| C1238 | 1-136-161-00 | FILM | 0.047 μ F 5% 50V | JR1264 | 1-216-295-91 | SHORT | |
| C1239 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | JR1450 | 1-216-295-91 | SHORT | |
| C1240 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | JR1451 | 1-216-295-91 | SHORT | |
| C1244 | 1-126-959-11 | ELECT | 0.47 μ F 20% 50V | COIL | | | |
| C1245 | 1-126-959-11 | ELECT | 0.47 μ F 20% 50V | L461 | 1-408-602-31 | INDUCTOR | 8.2 μ H |
| C1261 | 1-104-664-11 | ELECT | 47 μ F 20% 16V | L1401 | 1-410-494-11 | INDUCTOR | 1 μ H |
| C1262 | 1-104-664-11 | ELECT | 47 μ F 20% 16V | TRANSISTOR | | | |
| C1263 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | Q1231 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C1264 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | Q1232 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C1267 | 1-136-161-00 | FILM | 0.047 μ F 5% 50V | Q1261 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C1268 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | Q1262 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C1269 | 1-126-960-11 | ELECT | 1 μ F 20% 50V | Q1263 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C1293 | 1-163-251-11 | CERAMIC | 100pF 5% 50V | RESISTOR | | | |
| C1401 | 1-126-959-11 | ELECT | 0.47 μ F 20% 50V | R044 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| C1402 | 1-104-664-11 | ELECT | 47 μ F 20% 25V | R059 | 1-216-047-91 | RES,CHIP | 820 5% 1/10W |
| C1403 | 1-126-959-11 | ELECT | 0.47 μ F 20% 50V | R060 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| C1404 | 1-126-956-91 | ELECT | 0.1 μ F 20% 50V | R061 | 1-216-055-00 | RES,CHIP | 1.8K 5% 1/10W |
| C1405 | 1-163-017-00 | CERAMIC | 0.0047 μ F 10% 50V | R062 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| C1406 | 1-126-956-91 | ELECT | 0.1 μ F 20% 50V | R063 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W |
| C1407 | 1-163-017-00 | CERAMIC | 0.0047 μ F 10% 50V | R074 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| C1408 | 1-126-963-11 | ELECT | 4.7 μ F 20% 50V | R075 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W |
| C1409 | 1-126-963-11 | ELECT | 4.7 μ F 20% 50V | R098 | Δ 1-249-385-11 | CARBON | 2.2 5% 1/4W F |
| C1410 | 1-126-956-91 | ELECT | 0.1 μ F 20% 50V | R365 | 1-216-101-00 | RES,CHIP | 150K 5% 1/10W |
| C1411 | 1-165-319-11 | CERAMIC | 0.1 μ F 50V | R374 | 1-216-125-00 | RES,CHIP | 1.5M 5% 1/10W |
| C1413 | 1-126-963-11 | ELECT | 4.7 μ F 20% 50V | R466 | 1-249-388-11 | CARBON | 3.9 5% 1/4W F |
| C1415 | 1-126-964-11 | ELECT | 10 μ F 20% 50V | R469 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| C1416 | 1-126-963-11 | ELECT | 4.7 μ F 20% 50V | R472 | 1-216-069-00 | RES,CHIP | 6.8K 5% 1/10W |
| C1417 | 1-126-767-11 | ELECT | 1000 μ F 20% 16V | R511 | 1-215-885-00 | METAL | 68 5% 2W F |
| C1420 | 1-126-963-11 | ELECT | 4.7 μ F 20% 50V | | | | |
| C1501 | 1-115-462-11 | FILM | 0.12 μ F 5% 200V | | | | |

A**Variant Parts Listing**

The parts on this page belong to the following model(s) only:

KV-32S42**Note:**The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.**Note:**The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|------------------------------|--------------|---------------|-------------|
| R515 | 1-216-083-00 | RES,CHIP 27K | 5% 1/10W |
| R523 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| R529 | 1-208-814-91 | RES,CHIP 22K | 0.50% 1/10W |
| \boxtimes R531 \triangle | 1-208-826-11 | RES,CHIP 68K | 0.50% 1/10W |
| R533 | 1-215-902-11 | METAL 47K | 5% 1W F |
| R535 | 1-216-101-00 | RES,CHIP 150K | 5% 1/10W |
| R546 | 1-215-453-00 | METAL 22K | 1% 1/4W |
| R1009 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R1010 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R1234 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| R1240 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R1241 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R1242 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R1243 | 1-249-441-11 | CARBON 100K | 5% 1/4W |
| R1244 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R1245 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R1246 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R1247 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R1248 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R1254 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R1255 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1256 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R1257 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1258 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W |
| R1259 | 1-216-097-91 | RES,CHIP 100K | 5% 1/10W |
| R1260 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W |
| R1261 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R1262 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1263 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R1264 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1265 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R1266 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1267 | 1-216-295-91 | SHORT | |
| R1268 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1270 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1277 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R1278 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R1280 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1282 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1284 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R1286 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1287 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1288 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| R1290 | 1-216-041-00 | RES,CHIP 470 | 5% 1/10W |
| R1291 | 1-216-045-00 | RES,CHIP 680 | 5% 1/10W |
| R1292 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R1293 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R1294 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|--------------|----------|
| R1295 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1407 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| R1410 | 1-216-121-91 | RES,CHIP 1M | 5% 1/10W |
| R1411 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| R1412 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| R1413 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1414 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1415 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1418 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| R1419 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1420 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1421 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1424 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R1425 | 1-247-815-91 | CARBON 220 | 5% 1/4W |

SWITCH

| | | |
|------|--------------|-----------------|
| S001 | 1-692-431-21 | SWITCH, TACTILE |
| S002 | 1-692-431-21 | SWITCH, TACTILE |
| S003 | 1-692-431-21 | SWITCH, TACTILE |
| S004 | 1-692-431-21 | SWITCH, TACTILE |
| S005 | 1-692-431-21 | SWITCH, TACTILE |
| S006 | 1-692-431-21 | SWITCH, TACTILE |
| S007 | 1-692-431-21 | SWITCH, TACTILE |

TRANSFORMER

| | | |
|------------------|--------------|---------------------------|
| T502 \triangle | 1-424-545-11 | TRANSFORMER,FERRITE (PMT) |
| T503 \triangle | 1-453-207-11 | FBT ASSY, NX-2609//X4C |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

Variant Parts Listing

The parts on this page belong to the following model(s) only:

KV-32S66

A

REF.NO. PART NO. DESCRIPTION REMARK

A-Board Variant Parts List KV-32S66

* A-1298-997-A A COMPLETE PC BOARD

CAPACITOR

| | | | | | |
|-------|--------------------------|---------|----------|-----|------|
| C090 | 1-137-368-11 | FILM | 0.0047MF | 5% | 50V |
| C360 | 1-126-956-91 | ELECT | 0.1MF | 20% | 50V |
| C361 | 1-126-956-91 | ELECT | 0.1MF | 20% | 50V |
| C362 | 1-126-956-91 | ELECT | 0.1MF | 20% | 50V |
| C370 | 1-163-037-11 | CERAMIC | 0.022MF | 10% | 50V |
| C461 | 1-126-933-11 | ELECT | 100MF | 20% | 16V |
| C513 | \triangle 1-130-895-00 | FILM | 0.056MF | 5% | 400V |
| C514 | \triangle 1-104-844-11 | FILM | 0.62MF | 5% | 200V |
| C520 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V |
| C521 | 1-164-161-11 | CERAMIC | 0.0022MF | 10% | 50V |
| C537 | 1-126-941-11 | ELECT | 470MF | 20% | 25V |
| C539 | 1-126-935-11 | ELECT | 470MF | 20% | 16V |
| C1501 | 1-115-462-11 | FILM | 0.12MF | 5% | 200V |

CONNECTOR

| | | | | | |
|----------|--------------|-------------------------------|--|--|--|
| CN271 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P | | | |
| CN1101 | 1-573-298-11 | CONNECTOR, BOARD TO BOARD 20P | | | |
| CN1941 * | 1-564-508-11 | PLUG, CONNECTOR 5P | | | |
| CN3003 * | 1-564-596-11 | PLUG, CONNECTOR 15P | | | |

DIODE

| | | | | | |
|------|--------------|------------------|--|--|--|
| D368 | 8-719-991-33 | DIODE 1SS133T-77 | | | |
|------|--------------|------------------|--|--|--|

CHIP CONDUCTOR

| | | | | | |
|--------|--------------|-------|--|--|--|
| JR001 | 1-216-295-91 | SHORT | | | |
| JR1417 | 1-216-295-91 | SHORT | | | |

COIL

| | | | | | |
|------|--------------|----------|-------|--|--|
| L461 | 1-408-602-31 | INDUCTOR | 8.2UH | | |
|------|--------------|----------|-------|--|--|

TRANSISTOR

| | | | | | |
|------|--------------|----------------------|--|--|--|
| Q018 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | |
|------|--------------|----------------------|--|--|--|

RESISTOR

| | | | | | |
|------|--------------|----------|------|----|-------|
| R006 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R008 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R012 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R031 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R040 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R041 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R042 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R044 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R045 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R074 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R075 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R090 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R102 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |

REF.NO. PART NO. DESCRIPTION REMARK


| | | | | | |
|---------------------------|--------------------------|----------------------------|------|-------|-------|
| R104 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R358 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R359 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R360 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R365 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R374 | 1-216-125-00 | RES,CHIP | 1.5M | 5% | 1/10W |
| R386 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R466 | 1-249-388-11 | CARBON | 3.9 | 5% | 1/4W |
| R469 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R472 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R511 | 1-215-885-00 | METAL | 68 | 5% | 2W |
| R515 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W |
| R523 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R529 | 1-208-814-91 | RES,CHIP | 22K | 0.50% | 1/10W |
| \boxtimes R531 | \triangle 1-208-826-11 | RES,CHIP | 68K | 0.50% | 1/10W |
| R533 | 1-215-902-11 | METAL | 47K | 5% | 1W |
| R535 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W |
| R546 | 1-215-453-00 | METAL | 22K | 1% | 1/4W |
| <u>TRANSFORMER</u> | | | | | |
| T502 | \triangle 1-424-545-11 | TRANSFORMER, FERRITE (PMT) | | | |
| T503 | \triangle 1-453-207-11 | FBT ASSY, NX-2609//X4C | | | |

A


Variant Parts Listing

The parts on this page belong to the following model(s) only:
KV-32V42

Note:

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:



The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO. PART NO. DESCRIPTION REMARK

A-Board Variant Parts List
KV-32V42

* A-1298-999-A A COMPLETE PC BOARD

CAPACITOR

| | | | | | |
|-------|--|---------|----------|-----|------|
| C370 | 1-163-037-11 | CERAMIC | 0.022μF | 10% | 50V |
| C375 | 1-164-004-11 | CERAMIC | 0.1μF | 10% | 25V |
| C461 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C513 |  1-130-895-00 | FILM | 0.056μF | 5% | 400V |
| C514 |  1-104-844-11 | FILM | 0.62μF | 5% | 200V |
| C520 | 1-164-645-11 | CERAMIC | 1000pF | 10% | 500V |
| C521 | 1-164-161-11 | CERAMIC | 0.0022μF | 10% | 50V |
| C537 | 1-126-941-11 | ELECT | 470μF | 20% | 25V |
| C539 | 1-126-935-11 | ELECT | 470μF | 20% | 16V |
| C1501 | 1-115-462-11 | FILM | 0.12μF | 5% | 200V |

CONNECTOR

| | | |
|----------|--------------|-------------------------------|
| CN271 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P |
| CN1231 * | 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN1941 * | 1-564-508-11 | PLUG, CONNECTOR 5P |

CHIP CONDUCTOR

| | | |
|--------|--------------|-------|
| JR200 | 1-216-295-91 | SHORT |
| JR351 | 1-216-295-91 | SHORT |
| JR352 | 1-216-295-91 | SHORT |
| JR1417 | 1-216-295-91 | SHORT |

COIL



| | | | |
|-------|--------------|----------|------|
| L461 | 1-410-472-41 | INDUCTOR | 15μH |
| L1401 | 1-410-494-11 | INDUCTOR | 1μH |

RESISTOR

| | | | | | | |
|-------|----------------|----------|------|-------|-------|---|
| R044 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R074 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R075 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R089 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R098 | △ 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R365 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W | |
| R374 | 1-216-125-00 | RES,CHIP | 1.5M | 5% | 1/10W | |
| R466 | 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R469 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W | |
| R472 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W | |
| R511 | 1-215-885-00 | METAL | 68 | 5% | 2W | F |
| R515 | 1-216-083-00 | RES,CHIP | 27K | 5% | 1/10W | |
| R523 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |
| R529 | 1-208-814-91 | RES,CHIP | 22K | 0.50% | 1/10W | |
| R531 | △ 1-208-826-11 | RES,CHIP | 68K | 0.50% | 1/10W | |
| R533 | 1-215-902-11 | METAL | 47K | 5% | 1W | F |
| R535 | 1-216-101-00 | RES,CHIP | 150K | 5% | 1/10W | |
| R546 | 1-215-453-00 | METAL | 22K | 1% | 1/4W | |
| R1255 | 1-216-295-91 | SHORT | | | | |

REF.NO. PART NO. DESCRIPTION REMARK

TRANSFORMER

| | | |
|------|--|----------------------------|
| T502 |  1-424-545-11 | TRANSFORMER, FERRITE (PMT) |
| T503 |  1-453-207-11 | FBT ASSY, NX-2609//X4C |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Variant Parts Listing

A

The parts on this page belong to the following model(s) only:

KV-35S42

| REF.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|------------------------------------|----------------|-------------|----------|-----|------|--|
| A-Board Variant Parts List | | | | | | |
| KV-35S42 | | | | | | |
| * A-1298-899-A A COMPLETE PC BOARD | | | | | | |
| CAPACITOR | | | | | | |
| C069 | 1-126-964-11 | ELECT | 10μF | 20% | 50V | |
| C370 | 1-163-035-00 | CERAMIC | 0.047μF | | 50V | |
| C375 | 1-165-319-11 | CERAMIC | 0.1μF | | 50V | |
| C461 | 1-126-933-11 | ELECT | 100μF | 20% | 16V | |
| C513 | ⚠ 1-129-720-00 | FILM | 0.033μF | 5% | 630V | |
| C514 | ⚠ 1-136-540-11 | FILM | 0.82μF | 5% | 200V | |
| C520 | 1-101-821-00 | CERAMIC | 0.0022μF | | 500V | |
| C521 | 1-164-182-11 | CERAMIC | 0.0033μF | 10% | 50V | |
| C537 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V | |
| C539 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V | |
| C542 | 1-106-383-00 | MYLAR | 0.047μF | 10% | 200V | |
| C1236 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V | |
| C1237 | 1-136-161-00 | FILM | 0.047μF | 5% | 50V | |
| C1238 | 1-136-161-00 | FILM | 0.047μF | 5% | 50V | |
| C1239 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1240 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1241 | 1-136-161-00 | FILM | 0.047μF | 5% | 50V | |
| C1242 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1243 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1244 | 1-126-959-11 | ELECT | 0.47μF | 20% | 50V | |
| C1245 | 1-126-959-11 | ELECT | 0.47μF | 20% | 50V | |
| C1261 | 1-104-664-11 | ELECT | 47μF | 20% | 16V | |
| C1262 | 1-104-664-11 | ELECT | 47μF | 20% | 16V | |
| C1263 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1264 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1267 | 1-136-161-00 | FILM | 0.047μF | 5% | 50V | |
| C1268 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1269 | 1-126-960-11 | ELECT | 1μF | 20% | 50V | |
| C1293 | 1-163-251-11 | CERAMIC | 100pF | 5% | 50V | |
| C1401 | 1-126-959-11 | ELECT | 0.47μF | 20% | 50V | |
| C1402 | 1-104-664-11 | ELECT | 47μF | 20% | 25V | |
| C1403 | 1-126-959-11 | ELECT | 0.47μF | 20% | 50V | |
| C1404 | 1-126-956-91 | ELECT | 0.1μF | 20% | 50V | |
| C1405 | 1-163-017-00 | CERAMIC | 0.0047μF | 10% | 50V | |
| C1406 | 1-126-956-91 | ELECT | 0.1μF | 20% | 50V | |
| C1407 | 1-163-017-00 | CERAMIC | 0.0047μF | 10% | 50V | |
| C1408 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | |
| C1409 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | |
| C1410 | 1-126-956-91 | ELECT | 0.1μF | 20% | 50V | |
| C1411 | 1-165-319-11 | CERAMIC | 0.1μF | | 50V | |
| C1413 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | |
| C1415 | 1-126-964-11 | ELECT | 10μF | 20% | 50V | |
| C1416 | 1-126-963-11 | ELECT | 4.7μF | 20% | 50V | |

| REF.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|-----------------------|--------------------------|-------------------|--------------|-----|-------|---|
| C1417 | 1-126-767-11 | ELECT | 1000 μ F | 20% | 16V | |
| C1420 | 1-126-963-11 | ELECT | 4.7 μ F | 20% | 50V | |
| CONNECTOR | | | | | | |
| CN1941 | * 1-564-511-11 | PLUG, CONNECTOR | 8P | | | |
| DIODE | | | | | | |
| D1247 | 8-719-110-17 | DIODE | RD10ESB2 | | | |
| D1248 | 8-719-981-99 | DIODE | MTZJ-3.3 | | | |
| D1261 | 8-719-110-17 | DIODE | RD10ESB2 | | | |
| D1262 | 8-719-110-17 | DIODE | RD10ESB2 | | | |
| IC | | | | | | |
| IC1261 | 8-759-366-77 | IC MM1311AD | | | | |
| IC1401 | 8-752-072-39 | IC CXA2021S | | | | |
| IC1402 | 8-759-100-96 | IC UPC4558G2 | | | | |
| JACK | | | | | | |
| J1232 | 1-774-751-11 | TERMINAL BLOCK, S | | | | |
| J1233 | 1-774-749-11 | JACK BLOCK, PIN | | | | |
| J1234 | 1-774-750-11 | JACK BLOCK, PIN | | | | |
| CHIP CONDUCTOR | | | | | | |
| JR351 | 1-216-295-91 | SHORT | | | | |
| JR352 | 1-216-295-91 | SHORT | | | | |
| JR1264 | 1-216-295-91 | SHORT | | | | |
| JR1450 | 1-216-295-91 | SHORT | | | | |
| JR1451 | 1-216-295-91 | SHORT | | | | |
| COIL | | | | | | |
| L461 | 1-408-602-31 | INDUCTOR | 8.2 μ H | | | |
| L541 | 1-406-677-11 | INDUCTOR | 10 μ H | | | |
| L1401 | 1-410-494-11 | INDUCTOR | 1 μ H | | | |
| TRANSISTOR | | | | | | |
| Q1231 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | | | |
| Q1232 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | | | |
| Q1261 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | | |
| Q1262 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | | | |
| Q1263 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | | | |
| RESISTOR | | | | | | |
| R044 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R069 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |
| R074 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R075 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W | |
| R085 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W | |
| R098 | \triangle 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W | F |
| R365 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W | |
| R374 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W | |
| R466 | 1-249-388-11 | CARBON | 3.9 | 5% | 1/4W | F |
| R469 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | |
| R472 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W | |
| R511 | 1-215-886-11 | METAL | 100 | 5% | 2W | F |
| R515 | 1-216-077-91 | RES,CHIP | 15K | 5% | 1/10W | |
| R523 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | |

A**Variant Parts Listing**

The parts on this page belong to the following model(s) only:

KV-35S42**Note:**The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.**Note:**The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------------------|---------------|-------------|--------------------|--------------------------|----------------------------|----------|
| R529 | 1-208-812-11 | RES,CHIP 18K | 0.50% 1/10W | R1288 | 1-247-807-31 | CARBON 100 | 5% 1/4W |
| \boxtimes R531 | \triangle 1-208-838-91 | RES,CHIP 220K | 0.50% 1/10W | R1290 | 1-216-041-00 | RES,CHIP 470 | 5% 1/10W |
| R533 | 1-215-878-00 | METAL 33K | 5% 1W F | R1291 | 1-216-045-00 | RES,CHIP 680 | 5% 1/10W |
| R535 | 1-216-103-00 | RES,CHIP 180K | 5% 1/10W | R1292 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R541 | 1-249-377-11 | CARBON 0.47 | 5% 1/4W F | R1293 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R542 | 1-249-397-11 | CARBON 22 | 5% 1/4W F | R1294 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R546 | 1-215-451-00 | METAL 18K | 1% 1/4W | R1295 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R1234 | 1-249-441-11 | CARBON 100K | 5% 1/4W | R1296 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1240 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W | R1407 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| R1241 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W | R1410 | 1-216-121-91 | RES,CHIP 1M | 5% 1/10W |
| R1242 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W | R1411 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| R1243 | 1-249-441-11 | CARBON 100K | 5% 1/4W | R1412 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| R1244 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W | R1413 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1245 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | R1414 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1246 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W | R1415 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1247 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | R1418 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| R1248 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W | R1419 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1249 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W | R1420 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| R1250 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | R1421 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R1251 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W | R1424 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R1252 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | R1425 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R1253 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W | TRANSFORMER | | | |
| R1254 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | T502 | \triangle 1-429-408-11 | TRANSFORMER, FERRITE (PMT) | |
| R1255 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | T503 | \triangle X-4560-159-1 | FBT ASSY, NX-3005/JIC4 | |
| R1256 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W | T504 | 1-413-059-00 | TRANSFORMER, FERRITE (DFT) | |
| R1257 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | | | | |
| R1258 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W | | | | |
| R1259 | 1-216-097-91 | RES,CHIP 100K | 5% 1/10W | | | | |
| R1260 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W | | | | |
| R1261 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | | | | |
| R1262 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1263 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | | | | |
| R1264 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1265 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | | | | |
| R1266 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1267 | 1-216-295-91 | SHORT | | | | | |
| R1268 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1270 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1273 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | | | | |
| R1274 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1277 | 1-247-815-91 | CARBON 220 | 5% 1/4W | | | | |
| R1278 | 1-247-815-91 | CARBON 220 | 5% 1/4W | | | | |
| R1280 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1282 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | | | | |
| R1283 | 1-247-791-91 | CARBON 22 | 5% 1/4W | | | | |
| R1284 | 1-247-807-31 | CARBON 100 | 5% 1/4W | | | | |
| R1286 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | | | | |
| R1287 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | | | | |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

Variant Parts Listing

The parts on this page belong to the following model(s) only:

KV-35S66

A

REF.NO. PART NO. DESCRIPTION REMARK

A-Board Variant Parts List KV-35S66

* A-1298-897-A A COMPLETE PC BOARD

CAPACITOR

| | | | | | |
|------|--------------|-------|----------------|-----|-----|
| C069 | 1-126-964-11 | ELECT | 10 μ H | 20% | 50V |
| C090 | 1-137-368-11 | FILM | 0.0047 μ H | 5% | 50V |
| C360 | 1-126-956-91 | ELECT | 0.1 μ H | 20% | 50V |
| C361 | 1-126-956-91 | ELECT | 0.1 μ H | 20% | 50V |
| C362 | 1-126-956-91 | ELECT | 0.1 μ H | 20% | 50V |

| | | | | | |
|------|--------------------------|---------|----------------|-----|------|
| C370 | 1-163-035-00 | CERAMIC | 0.047 μ H | | 50V |
| C461 | 1-126-933-11 | ELECT | 100 μ H | 20% | 16V |
| C513 | \triangle 1-129-720-00 | FILM | 0.033 μ H | 5% | 630V |
| C514 | \triangle 1-136-540-11 | FILM | 0.82 μ H | 5% | 200V |
| C520 | 1-101-821-00 | CERAMIC | 0.0022 μ H | | 500V |

| | | | | | |
|------|--------------|---------|----------------|-----|------|
| C521 | 1-164-182-11 | CERAMIC | 0.0033 μ H | 10% | 50V |
| C537 | 1-126-942-61 | ELECT | 1000 μ H | 20% | 25V |
| C539 | 1-126-942-61 | ELECT | 1000 μ H | 20% | 25V |
| C542 | 1-106-383-00 | MYLAR | 0.047 μ H | 10% | 200V |

CONNECTOR

| | | |
|----------|--------------|-------------------------------|
| CN271 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P |
| CN1101 | 1-573-298-11 | CONNECTOR, BOARD TO BOARD 20P |
| CN1941 * | 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN3003 * | 1-691-616-11 | CONNECTOR, BOARD TO BOARD 15P |

DIODE

| | | |
|------|--------------|------------------|
| D368 | 8-719-991-33 | DIODE 1SS133T-77 |
|------|--------------|------------------|

CHIP CONDUCTOR

| | | |
|--------|--------------|-------|
| JR001 | 1-216-295-91 | SHORT |
| JR1417 | 1-216-295-91 | SHORT |

COIL

| | | | |
|------|--------------|----------|-------------|
| L461 | 1-408-602-31 | INDUCTOR | 8.2 μ H |
| L541 | 1-406-677-11 | INDUCTOR | 10 μ H |

TRANSISTOR

| | | |
|------|--------------|----------------------|
| Q018 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
|------|--------------|----------------------|

RESISTOR

| | | | | | |
|------|--------------|----------|-----|----|-------|
| R006 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R008 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R012 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R031 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R040 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |

| | | | | | |
|------|--------------|----------|------|----|-------|
| R041 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R042 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R044 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R045 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R069 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R074 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |
| R075 | 1-216-025-91 | RES,CHIP | 100 | 5% | 1/10W |

REF.NO. PART NO. DESCRIPTION REMARK

| | | | | | |
|------|--------------|----------|------|----|-------|
| R085 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R090 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R102 | 1-216-089-91 | RES,CHIP | 47K | 5% | 1/10W |
| R104 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| R358 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |

| | | | | | |
|------|--------------|----------|------|----|-------|
| R359 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R360 | 1-247-815-91 | CARBON | 220 | 5% | 1/4W |
| R365 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R374 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| R386 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |

| | | | | | | |
|------|--------------|----------|------|----|-------|---|
| R466 | 1-249-388-11 | CARBON | 3.9 | 5% | 1/4W | F |
| R469 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W | |
| R472 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W | |
| R511 | 1-215-886-11 | METAL | 100 | 5% | 2W | F |
| R515 | 1-216-077-91 | RES,CHIP | 15K | 5% | 1/10W | |

| | | | | | | |
|------------------|--------------------------|----------|------|-------|-------|---|
| R523 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W | |
| R529 | 1-208-812-11 | RES,CHIP | 18K | 0.50% | 1/10W | |
| \boxtimes R531 | \triangle 1-208-838-91 | RES,CHIP | 220K | 0.50% | 1/10W | |
| R533 | 1-215-878-00 | METAL | 33K | 5% | 1W | F |
| R535 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W | |

| | | | | | | |
|------|--------------|--------|------|----|------|---|
| R541 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W | F |
| R542 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W | F |
| R546 | 1-215-451-00 | METAL | 18K | 1% | 1/4W | |

TRANSFORMER

| | | |
|------|--------------------------|----------------------------|
| T502 | \triangle 1-429-408-11 | TRANSFORMER, FERRITE (PMT) |
| T503 | \triangle X-4560-159-1 | FBT ASSY, NX-3005/JIC4 |
| T504 | 1-413-059-00 | TRANSFORMER, FERRITE (DFT) |

A

Variant Parts Listing

The parts on this page belong to the following model(s) only:
KV-35V42

Note:

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

Note:

The components identified by **⊠** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

REF.NO. PART NO. DESCRIPTION REMARK

A-Board Variant Parts List KV-35V42

* A-1298-898-A A COMPLETE PC BOARD
CAPACITOR

| | | | | | |
|------|--------------|---------|---------|-----|-----|
| C069 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C076 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| C077 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| C370 | 1-163-035-00 | CERAMIC | 0.047μF | | 50V |
| C375 | 1-165-319-11 | CERAMIC | 0.1μF | | 50V |

| | | | | | |
|------|----------------|---------|----------|-----|------|
| C461 | 1-126-933-11 | ELECT | 100μF | 20% | 16V |
| C513 | △ 1-129-720-00 | FILM | 0.033μF | 5% | 630V |
| C514 | △ 1-136-540-11 | FILM | 0.82μF | 5% | 200V |
| C520 | 1-101-821-00 | CERAMIC | 0.0022μF | | 500V |
| C521 | 1-164-182-11 | CERAMIC | 0.0033μF | 10% | 50V |

| | | | | | |
|------|--------------|-------|---------|-----|------|
| C537 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V |
| C539 | 1-126-942-61 | ELECT | 1000μF | 20% | 25V |
| C542 | 1-106-383-00 | MYLAR | 0.047μF | 10% | 200V |

CONNECTOR

| | | |
|----------|--------------|-------------------------------|
| CN271 | 1-573-978-21 | CONNECTOR, BOARD TO BOARD 11P |
| CN1231 * | 1-564-511-11 | PLUG, CONNECTOR 8P |
| CN1941 * | 1-564-511-11 | PLUG, CONNECTOR 8P |

DIODE

| | | | |
|-------|--------------|-------|----------|
| D1247 | 8-719-110-17 | DIODE | RD10ESB2 |
| D1261 | 8-719-110-17 | DIODE | RD10ESB2 |
| D1262 | 8-719-110-17 | DIODE | RD10ESB2 |

JACK

| | | |
|-------|--------------|-----------------|
| J1234 | 1-774-750-11 | JACK BLOCK, PIN |
|-------|--------------|-----------------|

CHIP CONDUCTOR

| | | |
|--------|--------------|-------|
| JR200 | 1-216-295-91 | SHORT |
| JR351 | 1-216-295-91 | SHORT |
| JR352 | 1-216-295-91 | SHORT |
| JR1264 | 1-216-295-91 | SHORT |
| JR1417 | 1-216-295-91 | SHORT |

COIL

| | | | |
|-------|--------------|----------|------|
| L461 | 1-410-472-41 | INDUCTOR | 15μH |
| L541 | 1-406-677-11 | INDUCTOR | 10μH |
| L1401 | 1-410-494-11 | INDUCTOR | 1μH |

TRANSISTOR

| | | |
|-------|--------------|-----------------------------|
| Q1231 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 |
| Q1232 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 |
| Q1261 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |
| Q1262 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R |
| Q1263 | 8-729-120-28 | TRANSISTOR 2SC1623-L5L6 |

RESISTOR

| | | | | | |
|------|--------------|----------|-----|----|-------|
| R044 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| R069 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |

REF.NO. PART NO. DESCRIPTION REMARK

| | | | | | |
|------|----------------|----------|-----|----|--------|
| R074 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R075 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R085 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| R089 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R098 | △ 1-249-385-11 | CARBON | 2.2 | 5% | 1/4W F |

| | | | | | |
|------|--------------|----------|------|----|--------|
| R365 | 1-216-097-91 | RES,CHIP | 100K | 5% | 1/10W |
| R374 | 1-216-121-91 | RES,CHIP | 1M | 5% | 1/10W |
| R466 | 1-249-388-11 | CARBON | 3.9 | 5% | 1/4W F |
| R469 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| R472 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |

| | | | | | |
|--------|----------------|----------|------|-------|-------|
| R511 | 1-215-886-11 | METAL | 100 | 5% | 2W F |
| R515 | 1-216-077-91 | RES,CHIP | 15K | 5% | 1/10W |
| R523 | 1-216-071-00 | RES,CHIP | 8.2K | 5% | 1/10W |
| R529 | 1-208-812-11 | RES,CHIP | 18K | 0.50% | 1/10W |
| ⊠ R531 | △ 1-208-838-91 | RES,CHIP | 220K | 0.50% | 1/10W |

| | | | | | |
|-------|--------------|----------|------|----|--------|
| R533 | 1-215-878-00 | METAL | 33K | 5% | 1W F |
| R535 | 1-216-103-00 | RES,CHIP | 180K | 5% | 1/10W |
| R541 | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R542 | 1-249-397-11 | CARBON | 22 | 5% | 1/4W F |
| R546 | 1-215-451-00 | METAL | 18K | 1% | 1/4W |
| R1255 | 1-216-295-91 | SHORT | | | |

TRANSFORMER

| | | |
|------|----------------|----------------------------|
| T502 | △ 1-429-408-11 | TRANSFORMER, FERRITE (PMT) |
| T503 | △ X-4560-159-1 | FBT ASSY, NX-3005//JIC4 |
| T504 | 1-413-059-00 | TRANSFORMER, FERRITE (DFT) |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un triangle et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Complete Parts Listing**

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|-----------------------|----------------|---|--------|---|--------------------------|------------------------------|--------|
| <div>AV</div> | | | | RESISTOR | | | |
| | * A-1298-612-A | AV COMPLETE PC BOARD (KV-32S66/35S66 ONLY) | | R101 | \triangle 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| CAPACITOR | | | | R102 | 1-216-083-00 | RES,CHIP 27K 5% 1/10W | |
| C101 | 1-126-960-11 | ELECT 1 μ F 20% 50V | | R103 | 1-216-689-11 | RES,CHIP 39K 5% 1/10W | |
| C102 | 1-164-161-11 | CERAMIC 0.0022 μ F 10% 50V | | R104 | 1-216-045-00 | RES,CHIP 680 5% 1/10W | |
| C104 | 1-126-964-11 | ELECT 10 μ F 20% 50V | | R106 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| C106 | 1-104-664-11 | ELECT 47 μ F 20% 25V | | R107 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| C108 | 1-126-933-11 | ELECT 100 μ F 20% 16V | | R108 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| C109 | 1-163-259-91 | CERAMIC 220pF 5% 50V | | R109 | 1-216-081-00 | RES,CHIP 22K 5% 1/10W | |
| C110 | 1-104-760-11 | CERAMIC 0.047 μ F 10% 50V | | R112 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | |
| C111 | 1-126-960-11 | ELECT 1 μ F 20% 50V | | R113 | 1-216-097-91 | RES,CHIP 100K 5% 1/10W | |
| C113 | 1-126-934-11 | ELECT 220 μ F 20% 16V | | R114 | 1-216-121-91 | RES,CHIP 1M 5% 1/10W | |
| C1904 | 1-102-129-00 | CERAMIC 0.01 μ F 10% 50V | | R115 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| C1905 | 1-126-964-11 | ELECT 10 μ F 20% 50V | | R116 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| C1906 | 1-102-129-00 | CERAMIC 0.01 μ F 10% 50V | | R117 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | |
| C1907 | 1-126-964-11 | ELECT 10 μ F 20% 50V | | R118 | 1-216-295-91 | SHORT | |
| C1908 | 1-163-009-11 | CERAMIC 0.001 μ F 10% 50V | | R121 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |
| C1909 | 1-163-009-11 | CERAMIC 0.001 μ F 10% 50V | | R125 | 1-216-043-91 | RES,CHIP 560 5% 1/10W | |
| CONNECTOR | | | | R126 | 1-216-045-00 | RES,CHIP 680 5% 1/10W | |
| CN101 | 1-573-301-21 | CONNECTOR,BOARD 20P | | R1904 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| CN102 | 1-573-979-21 | CONNECTOR,BOARD 11P | | R1905 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| CN103 | 1-564-507-11 | PLUG,CONNECTOR 4P | | R2904 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| CN106 | 1-564-506-11 | PLUG,CONNECTOR 3P | | R2905 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | |
| DIODE | | | | R2909 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| D101 | 8-719-109-89 | DIODE RD5.6ESB2 | | R2910 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| D103 | 8-719-991-33 | DIODE 1SS133T-77 | | R2912 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| D104 | 8-719-991-33 | DIODE 1SS133T-77 | | R2913 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| D105 | 8-719-991-33 | DIODE 1SS133T-77 | | R2914 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| D106 | 8-719-991-33 | DIODE 1SS133T-77 | | TUNER | | | |
| IC | | | | TU101 | \triangle 8-598-430-00 | TUNER, FSS BTF-FA401 | |
| IC1901 | 8-752-058-68 | IC CXA1315M-T4 | | <div>B</div> | | | |
| IC1902 | 8-759-470-63 | IC NJM2145M-TE2 | | <p>* A-1135-949-A B, COMPLETE PC BOARD (KV-32S66/35S66)</p> <p>* A-1135-948-A B, COMPLETE PC BOARD (KV-32V42/35V42)</p> <p>* A-1135-950-A B, COMPLETE PC BOARD (KV-32S42/35S42)</p> | | | |
| CHIP CONDUCTOR | | | | CAPACITOR | | | |
| JR102 | 1-216-295-91 | SHORT | | C3501 | 1-104-664-11 | ELECT 47 μ F 20% 25V | |
| JR103 | 1-216-295-91 | SHORT | | C3502 | 1-163-231-11 | CERAMIC 15pF 5% 50V | |
| COIL | | | | C3503 | 1-163-021-91 | CERAMIC 0.01 μ F 10% 50V | |
| L102 | 1-410-470-11 | INDUCTOR 10 μ H | | C3504 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| L105 | 1-408-421-00 | INDUCTOR 100 μ H | | C3505 | 1-163-131-00 | CERAMIC 390pF 5% 50V | |
| TRANSISTOR | | | | C3506 | 1-163-021-91 | CERAMIC 0.01 μ F 10% 50V | |
| Q101 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | C3507 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| Q103 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | C3508 | 1-163-021-91 | CERAMIC 0.01 μ F 10% 50V | |
| Q104 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | C3509 | 1-126-961-11 | ELECT 2.2 μ F 20% 50V | |
| Q105 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | C3510 | 1-163-229-11 | CERAMIC 12pF 5% 50V | |
| Q106 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | C3511 | 1-126-960-11 | ELECT 1 μ F 20% 50V | |
| Q1901 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | C3512 | 1-163-133-00 | CERAMIC 470pF 5% 50V | |
| Q1902 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | C3513 | 1-163-131-00 | CERAMIC 390pF 5% 50V | |

B**Complete Parts Listing****Note:**

The components identified by shading and mark **△** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **△** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|------------------|--------------|---|-----------------|-------------------|--------------|-------------|------------------|
| C3514 | 1-163-009-11 | CERAMIC | 0.001µF 10% 50V | IC3503 | 8-759-231-53 | IC L7805CV | |
| C3515 | 1-126-963-11 | ELECT | 4.7µF 20% 50V | COIL | | | |
| C3516 | 1-163-089-00 | CERAMIC | 6pF 0.50% 50V | L3501 | 1-410-470-11 | INDUCTOR | 10µH |
| C3517 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | L3502 | 1-410-466-41 | INDUCTOR | 4.7µH |
| C3518 | 1-126-941-11 | ELECT | 470µF 20% 25V | L3503 | 1-410-470-11 | INDUCTOR | 10µH |
| C3519 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | L3504 | 1-410-470-11 | INDUCTOR | 10µH |
| C3520 | 1-163-133-00 | CERAMIC | 470pF 5% 50V | L3505 | 1-410-470-11 | INDUCTOR | 10µH |
| C3521 | 1-104-664-11 | ELECT | 47µF 20% 25V | TRANSISTOR | | | |
| C3522 | 1-126-964-11 | ELECT | 10µF 20% 50V | Q3501 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C3523 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | Q3502 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3524 | 1-104-664-11 | ELECT | 47µF 20% 25V | Q3503 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C3525 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | Q3504 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3526 | 1-163-038-91 | CERAMIC | 0.1µF 25V | Q3505 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C3527 | 1-163-038-91 | CERAMIC | 0.1µF 25V | Q3506 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3528 | 1-164-222-11 | CERAMIC | 0.22µF 25V | Q3507 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3529 | 1-163-038-91 | CERAMIC | 0.1µF 25V | Q3509 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3532 | 1-164-004-11 | CERAMIC | 0.1µF 10% 25V | Q3510 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q |
| C3533 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | Q3516 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3534 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | Q3555 | 8-729-216-22 | TRANSISTOR | 2SA1162-G |
| C3535 | 1-104-664-11 | ELECT | 47µF 20% 25V | RESISTOR | | | |
| C3536 | 1-126-964-11 | ELECT | 10µF 20% 50V | R3501 | 1-216-091-00 | RES,CHIP | 56K 5% 1/10W |
| C3537 | 1-163-231-11 | CERAMIC | 15pF 5% 50V | R3502 | 1-216-081-00 | RES,CHIP | 22K 5% 1/10W |
| C3538 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | R3503 | 1-216-009-91 | RES,CHIP | 22 5% 1/10W |
| C3539 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | R3504 | 1-216-029-00 | RES,CHIP | 150 5% 1/10W |
| C3540 | 1-163-231-11 | CERAMIC | 15pF 5% 50V | R3505 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| C3541 | 1-104-664-11 | ELECT | 47µF 20% 25V | R3506 | 1-216-035-00 | RES,CHIP | 270 5% 1/10W |
| C3542 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | R3507 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| C3543 | 1-104-664-11 | ELECT | 47µF 20% 25V | R3508 | 1-216-043-91 | RES,CHIP | 560 5% 1/10W |
| C3544 | 1-104-664-11 | ELECT | 47µF 20% 25V | R3509 | 1-216-075-00 | RES,CHIP | 12K 5% 1/10W |
| C3545 | 1-164-004-11 | CERAMIC | 0.1µF 10% 25V | R3510 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |
| C3548 | 1-164-004-11 | CERAMIC | 0.1µF 10% 25V | R3511 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| C3549 | 1-126-964-11 | ELECT | 10µF 20% 50V | R3512 | 1-216-065-91 | RES,CHIP | 4.7K 5% 1/10W |
| C3550 | 1-104-664-11 | ELECT | 47µF 20% 25V | R3513 | 1-216-041-00 | RES,CHIP | 470 5% 1/10W |
| C3551 | 1-163-021-91 | CERAMIC | 0.01µF 10% 50V | R3514 | 1-216-121-91 | RES,CHIP | 1M 5% 1/10W |
| C3553 | 1-126-941-11 | ELECT | 470µF 20% 25V | R3515 | 1-216-077-91 | RES,CHIP | 15K 5% 1/10W |
| C3556 | 1-128-551-11 | ELECT | 22µF 20% 25V | R3516 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W |
| C3558 | 1-126-956-91 | ELECT | 0.1µF 20% 50V | R3517 | 1-216-077-91 | RES,CHIP | 15K 5% 1/10W |
| CONNECTOR | | | | R3518 | 1-216-067-00 | RES,CHIP | 5.6K 5% 1/10W |
| CN3502 | 1-573-978-21 | CONNECTOR,BOARD TO BOARD 11P (KV-32S66/35S66 ONLY) | | R3520 | 1-208-766-11 | RES,CHIP | 220 0.50% 1/10W |
| CN3561 * | 1-691-616-21 | CONNECTOR,BOARD TO BOARD 15P (KV-32V42/S66/35V42/S66 ONLY) | | R3521 | 1-208-766-11 | RES,CHIP | 220 0.50% 1/10W |
| CN3570 | 1-573-301-21 | CONNECTOR,BOARD TO BOARD 20P (KV-32S42/35S42 ONLY) | | R3522 | 1-208-774-11 | RES,CHIP | 470 0.50% 1/10W |
| FILTER | | | | R3523 | 1-208-778-11 | RES,CHIP | 680 0.50% 1/10W |
| FL3501 | 1-239-847-11 | FILTER,LOW PASS | | R3524 | 1-208-794-11 | RES,CHIP | 3.3K 0.50% 1/10W |
| FL3502 | 1-239-847-11 | FILTER,LOW PASS | | R3529 | 1-216-295-91 | SHORT | |
| FL3503 | 1-239-847-11 | FILTER,LOW PASS | | R3531 | 1-216-295-91 | SHORT | |
| IC | | | | R3534 | 1-216-295-91 | SHORT | |
| IC3501 | 8-759-065-82 | IC MM1093ND | | R3535 | 1-216-295-91 | SHORT | |
| IC3502 | 8-752-385-80 | IC CXD2073S | | R3536 | 1-216-057-00 | RES,CHIP | 2.2K 5% 1/10W |
| | | | | R3537 | 1-216-043-91 | RES,CHIP | 560 5% 1/10W |
| | | | | R3538 | 1-216-071-00 | RES,CHIP | 8.2K 5% 1/10W |
| | | | | R3539 | 1-216-089-91 | RES,CHIP | 47K 5% 1/10W |
| | | | | R3540 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un triangle et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Complete Parts Listing**

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|------------------|----------------|--|-------------|-------------------|--------------------------|--|--------|
| R3541 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W | IC | | | |
| R3542 | 1-216-041-00 | RES,CHIP 470 | 5% 1/10W | IC1701 | \triangle 8-759-562-43 | IC TDA6108JF/N1B | |
| R3543 | 1-216-035-00 | RES,CHIP 270 | 5% 1/10W | JACK | | | |
| R3544 | 1-216-057-00 | RES,CHIP 2.2K | 5% 1/10W | J1761 | \triangle 1-251-388-11 | SOCKET, CRT | |
| R3545 | 1-216-043-91 | RES,CHIP 560 | 5% 1/10W | COIL | | | |
| R3546 | 1-216-071-00 | RES,CHIP 8.2K | 5% 1/10W | L1790 | 1-412-537-31 | INDUCTOR 100 μ H | |
| R3547 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W | TRANSISTOR | | | |
| R3548 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W | Q1790 | 8-729-119-76 | TRANSISTOR 2SA1175-HFE | |
| R3549 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | RESISTOR | | | |
| R3550 | 1-208-774-11 | RES,CHIP 470 | 0.50% 1/10W | R1750 | 1-247-870-11 | CARBON 43K 5% 1/4W | |
| R3551 | 1-208-764-11 | RES,CHIP 180 | 0.50% 1/10W | R1763 | 1-260-099-11 | CARBON 1K 5% 1/2W | |
| R3558 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | R1764 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R3565 | 1-216-295-91 | SHORT | | R1773 | 1-260-099-11 | CARBON 1K 5% 1/2W | |
| R3566 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | R1774 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R3568 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W | R1783 | 1-260-099-11 | CARBON 1K 5% 1/2W | |
| R3569 | 1-216-041-00 | RES,CHIP 470 | 5% 1/10W | R1784 | 1-247-807-31 | CARBON 100 5% 1/4W | |
| R3578 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W | R1788 | 1-216-349-00 | METAL 1 5% 1W | F |
| R3579 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W | R1789 | 1-249-437-11 | CARBON 47K 5% 1/4W | |
| R3580 | 1-216-295-91 | SHORT | | R1790 | 1-216-369-00 | METAL 1 5% 2W | F |
| R3596 | 1-216-057-00 | RES,CHIP 2.2K | 5% 1/10W | | | (KV-35S42/S66/V42 ONLY) | |
| R3597 | 1-216-057-00 | RES,CHIP 2.2K | 5% 1/10W | R1790 | 1-216-378-11 | METAL 5.6 5% 2W | F |
| R3599 | 1-208-774-11 | RES,CHIP 470 | 0.50% 1/10W | | | (KV-32S42/S66/V42 ONLY) | |
| CRYSTAL | | | | R1792 | 1-247-815-91 | CARBON 220 5% 1/4W | |
| X3501 | 1-567-505-11 | OSCILLATOR,CRYSTAL | | R1793 | 1-247-866-11 | CARBON 30K 5% 1/4W | |
| C | | | | R1794 | 1-260-132-11 | CARBON 560K 5% 1/2W | |
| | | | | | | (KV-35S42/S66/V42 ONLY) | |
| | * A-1331-843-A | C BOARD, COMPLETE (KV-35S42/3566/35V42) | | R1795 | 1-260-087-11 | CARBON 100 5% 1/2W | |
| | * A-1331-837-A | C BOARD, COMPLETE (KV-32S42/32S66/32V42) | | R1796 | 1-216-369-00 | METAL 1 5% 2W | F |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | | | (KV-35S42/S66/V42 ONLY) | |
| CAPACITOR | | | | R1796 | 1-216-378-11 | METAL 5.6 5% 2W | F |
| C1750 | 1-137-528-11 | FILM 0.1 μ F 10% 250V | | | | (KV-32S42/S66/V42 ONLY) | |
| C1751 | 1-107-655-11 | ELECT 47 μ F 20% 250V | | R1797 | 1-260-123-11 | CARBON 100K 5% 1/2W | |
| C1790 | 1-102-129-00 | CERAMIC 0.01 μ F 10% 50V | | G | | | |
| C1791 | 1-126-968-11 | ELECT 100 μ F 20% 50V | | | | | |
| C1792 | 1-102-106-00 | CERAMIC 100pF 10% 50V | | | * A-1316-399-A | G BOARD, COMPLETE (KV-35S42/35S66/35V42) | |
| C1794 | 1-107-651-11 | ELECT 4.7 μ F 20% 250V | | | * A-1316-389-A | G BOARD, COMPLETE (KV-32S42/32S66/32V42) | |
| | | (KV-35S42/S66/V42 ONLY) | | | 1-533-223-11 | HOLDER,FUSE | |
| C1795 | 1-102-074-00 | CERAMIC 0.001 μ F 10% 50V | | | 4-382-854-11 | SCREW(M3X10),P,SW(+) | |
| C1799 | 1-162-114-00 | CERAMIC 0.0047 μ F 2KV | | CAPACITOR | | | |
| CONNECTOR | | | | C601 | 1-136-346-21 | FILM 0.22 μ F 20% 125V | |
| CN1761 | * 1-564-509-11 | PLUG, CONNECTOR 6P | | | | (KV-35S42/S66/V42 ONLY) | |
| CN1764 | * 1-564-508-11 | PLUG, CONNECTOR 5P | | C602 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| CN1766 | 1-695-915-11 | TAB (CONTACT) | | C603 | \triangle 1-113-903-11 | CERAMIC 0.001 μ F 20% 250V | |
| DIODE | | | | C604 | \triangle 1-136-346-21 | FILM 0.22 μ F 20% 125V | |
| D1790 | 8-719-991-33 | DIODE 1SS133T-77 | | C605 | \triangle 1-136-346-21 | FILM 0.22 μ F 20% 125V | |
| D1791 | 8-719-908-03 | DIODE GP08D | | C606 | \triangle 1-117-894-11 | ELECT 560 μ F 20% 250V | |
| D1792 | 8-719-908-03 | DIODE GP08D (KV-35S42/S66/V42 ONLY) | | C607 | \triangle 1-117-894-11 | ELECT 560 μ F 20% 250V | |
| D1793 | 8-719-908-03 | DIODE GP08D | | C608 | 1-165-127-11 | CERAMIC 470pF 10% 500V | |
| D1794 | 8-719-908-03 | DIODE GP08D | | | | | |



Complete Parts Listing

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | | | |
|--------------|----------------|--|---------------|-----|------|---|
| C609 | 1-136-175-00 | FILM | 0.68μF | 5% | 50V | |
| C610 | 1-136-175-00 | FILM | 0.68μF | 5% | 50V | |
| C611 | 1-136-169-00 | FILM | 0.22μF | 5% | 50V | |
| C612 | 1-136-169-00 | FILM | 0.22μF | 5% | 50V | |
| C613 | 1-164-646-11 | CERAMIC | 2200pF | 10% | 500V | |
| C615 | 1-129-722-00 | FILM | 0.047μF | 5% | 630V | |
| C616 | △ 1-113-903-11 | CERAMIC | 0.001μF | 20% | 250V | |
| C624 | 1-126-961-11 | ELECT | 2.2μF | 20% | 50V | |
| C628 | 1-119-907-51 | CERAMIC | 4700pF | 20% | 250V | |
| C629 | 1-107-680-91 | ELECT | 22μF | 20% | 450V | |
| C630 | 1-130-471-00 | MYLAR | 0.001μF | 5% | 50V | |
| C631 | 1-137-605-11 | FILM | 0.01μF | 10% | 250V | |
| C633 | 1-130-471-00 | MYLAR | 0.001μF | 5% | 50V | |
| C634 | 1-130-467-00 | MYLAR | 470pF | 5% | 50V | |
| C635 | 1-130-471-00 | MYLAR | 0.001μF | 5% | 50V | |
| C636 | 1-126-965-11 | ELECT | 22μF | 20% | 50V | |
| C637 | 1-126-940-11 | ELECT | 330μF | 20% | 25V | |
| C640 | 1-119-907-51 | CERAMIC | 4700pF | 20% | 250V | |
| C641 | 1-128-550-11 | ELECT | 2200μF | 20% | 50V | |
| C643 | 1-107-641-11 | ELECT | 220μF | 20% | 160V | |
| C647 | 1-104-665-11 | ELECT | 100μF | 20% | 25V | |
| C650 | 1-104-664-11 | ELECT | 47μF | 20% | 25V | |
| C651 | 1-137-366-11 | FILM | 0.0022μF | 5% | 50V | |
| C652 | 1-106-351-00 | MYLAR | 0.0022μF | 20% | 200V | |
| C653 | 1-107-636-11 | ELECT | 10μF | 20% | 160V | |
| C654 | 1-164-625-11 | CERAMIC | 680pF | 10% | 500V | |
| C655 | 1-164-625-11 | CERAMIC | 680pF | 10% | 500V | |
| C656 | 1-164-625-11 | CERAMIC | 680pF | 10% | 500V | |
| C657 | 1-164-625-11 | CERAMIC | 680pF | 10% | 500V | |
| C660 | 1-126-767-11 | ELECT | 1000μF | 20% | 16V | |
| C690 | 1-164-645-11 | CERAMIC | 1000pF | 10% | 500V | |
| C691 | 1-164-645-11 | CERAMIC | 1000pF | 10% | 500V | |
| CONNECTOR | | | | | | |
| CN601 | 1-573-963-11 | PIN,CONNECTOR(PC BOARD) 3P (KV-35S42/S66/V42 ONLY) | | | | |
| CN602 | 1-580-844-11 | PIN,CONNECTOR(POWER) | | | | |
| CN603 | 1-573-963-11 | PIN, CONNECTOR(PC BOARD) 3P (KV-35S42/S66/V42 ONLY) | | | | |
| CN604 | 1-508-765-00 | PIN, CONNECTOR (5MM PITCH) 3P (KV-32S42/S66/V42 ONLY) | | | | |
| CN641 | 1-564-515-11 | PLUG,CONNECTOR 12P | | | | |
| CN643 | 1-508-784-00 | PIN,CONNECTOR(5MM PITCH) 1P | | | | |
| DIODE | | | | | | |
| D600 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D601 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D602 | △ 8-719-510-53 | DIODE | D4SB60L | | | |
| D603 | 8-719-052-90 | DIODE | D1NL40-TA2 | | | |
| D604 | 8-719-052-90 | DIODE | D1NL40-TA2 | | | |
| D612 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D613 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D614 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D621 | 8-719-911-55 | DIODE | U05G | | | |
| D622 | 8-719-911-55 | DIODE | U05G | | | |
| D623 | 8-719-948-45 | DIODE | ERA22-08 | | | |
| D624 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D625 | 8-719-991-33 | DIODE | 1SS133T-77 | | | |
| D626 | 8-719-109-93 | DIODE | RD6.2ESB2 | | | |
| D627 | 8-719-510-48 | DIODE | D1N20R | | | |
| D628 | 8-719-063-70 | DIODE | D1NL20U | | | |
| D641 | 8-719-052-92 | DIODE | D10SBS4F | | | |
| D642 | 8-719-510-12 | DIODE | D10SC4M | | | |
| D643 | 8-719-028-45 | DIODE | D2L20U | | | |
| D644 | 8-719-028-45 | DIODE | D2L20U | | | |
| D645 | 8-719-028-45 | DIODE | D2L20U | | | |
| D646 | 8-719-028-45 | DIODE | D2L20U | | | |
| D647 | 8-719-063-70 | DIODE | D1NL20U | | | |
| D648 | △ 8-719-057-52 | DIODE | EZ0150AV1 | | | |
| D649 | 8-719-510-02 | DIODE | D1NS4 | | | |
| D650 | 8-719-510-02 | DIODE | D1NS4 | | | |
| FUSE | | | | | | |
| F601 | △ 1-576-193-11 | FUSE 6.3A/125V | | | | |
| FERRITE BEAD | | | | | | |
| FB601 | 1-410-396-41 | FERRITE | 0.45μH | | | |
| FB602 | 1-410-396-41 | FERRITE | 0.45μH | | | |
| FB603 | 1-410-396-41 | FERRITE | 0.45μH | | | |
| FB604 | 1-410-396-41 | FERRITE | 0.45μH | | | |
| FB641 | 1-410-397-21 | FERRITE | 1.1μH | | | |
| FB642 | 1-410-397-21 | FERRITE | 1.1μH | | | |
| FB645 | 1-410-397-21 | FERRITE | 1.1μH | | | |
| FB647 | 1-410-397-21 | FERRITE | 1.1μH | | | |
| IC | | | | | | |
| IC601 | △ 8-729-041-12 | TRANSISTOR | MX0841AB-F | | | |
| IC622 | 8-759-450-47 | IC | BA05T | | | |
| IC641 | 8-759-198-03 | IC | PQ09RF21 | | | |
| IC643 | 8-749-012-13 | IC | DM-58 | | | |
| COIL | | | | | | |
| L642 | 1-412-529-11 | INDUCTOR | 22μH | | | |
| TRANSISTOR | | | | | | |
| Q621 | △ 8-729-044-30 | TRANSISTOR | 2SK2845-LB102 | | | |
| Q622 | △ 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q644 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q645 | 8-729-119-76 | TRANSISTOR | 2SA1175-HFE | | | |
| Q646 | 8-729-119-76 | TRANSISTOR | 2SA1175-HFE | | | |
| Q647 | 8-729-119-78 | TRANSISTOR | 2SC2785-HFE | | | |
| Q648 | △ 8-729-922-39 | TRANSISTOR | 2SD2144S-V | | | |
| RESISTOR | | | | | | |
| R603 | △ 1-219-776-11 | CARBON | 2.2M | 10% | 1/2W | |
| R607 | △ 1-202-933-61 | FUSIBLE | 0.1 | 10% | 1/2W | F |
| R608 | 1-216-373-11 | METAL | 2.2 | 5% | 2W | F |
| R611 | 1-216-373-11 | METAL | 2.2 | 5% | 2W | F |
| R612 | 1-215-903-11 | METAL | 68K | 5% | 2W | F |

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**Complete Parts Listing**

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|-----------------------|---------------|-----------|
| R613 | 1-215-903-11 | METAL 68K | 5% 2W F |
| R614 | 1-215-903-11 | METAL 68K | 5% 2W F |
| R615 | 1-215-903-11 | METAL 68K | 5% 2W F |
| R618 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| R619 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| R620 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| R621 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| R622 | 1-247-863-91 | CARBON 22K | 5% 1/4W |
| R623 | Δ 1-205-943-11 | CEMENTED 1 | 5% 20W |
| R624 | 1-260-131-11 | CARBON 470K | 5% 1/2W |
| R625 | 1-260-131-11 | CARBON 470K | 5% 1/2W |
| R626 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| R627 | Δ 1-220-797-11 | CEMENTED 0.47 | 5% 10W |
| R628 | 1-240-205-91 | CARBON 22M | 5% 1/2W |
| R629 | Δ 1-220-797-11 | CEMENTED 0.47 | 5% 10W |
| R632 | 1-249-421-11 | CARBON 2.2K | 5% 1/4W |
| R633 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| R634 | 1-249-437-11 | CARBON 47K | 5% 1/4W |
| R635 | 1-247-791-91 | CARBON 22 | 5% 1/4W |
| R636 | 1-249-415-11 | CARBON 680 | 5% 1/4W |
| R637 | Δ 1-260-302-51 | CARBON 6.8 | 5% 1/2W |
| R638 | 1-249-413-11 | CARBON 470 | 5% 1/4W |
| R639 | Δ 1-249-389-11 | CARBON 4.7 | 5% 1/4W F |
| R640 | 1-215-485-00 | METAL 470K | 1% 1/4W |
| R640 | 1-247-895-91 | CARBON 470K | 5% 1/4W |
| R641 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R642 | 1-247-843-11 | CARBON 3.3K | 5% 1/4W |
| R643 | 1-249-387-11 | CARBON 3.3 | 5% 1/4W F |
| R648 | 1-247-887-00 | CARBON 220K | 5% 1/4W |
| R649 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W F |
| R659 | 1-249-429-11 | CARBON 10K | 5% 1/4W |
| R660 | Δ 1-249-393-11 | CARBON 10 | 5% 1/4W F |
| R661 | Δ 1-249-419-11 | CARBON 1.5K | 5% 1/4W F |
| R666 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |
| R667 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |
| R668 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |
| R670 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |
| R671 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |
| R672 | Δ 1-249-377-11 | CARBON 0.47 | 5% 1/4W F |

RELAY

| | | |
|-------|-----------------------|-----------------|
| RY600 | Δ 1-755-266-11 | RELAY, AC POWER |
| RY601 | Δ 1-755-146-11 | RELAY, AC POWER |

TRANSFORMER

| | | |
|------|-----------------------|--------------------------------|
| T601 | Δ 1-426-717-11 | TRANSFORMER, LINE FILTER (LFT) |
| T602 | Δ 1-426-717-11 | TRANSFORMER, LINE FILTER (LFT) |
| T603 | Δ 1-429-992-21 | TRANSFORMER, CONVERTER (PRT) |
| T605 | Δ 1-429-415-11 | TRANSFORMER, CONVERTER (PIT) |
| T621 | Δ 1-431-852-11 | TRANSFORMER, CONVERTER (SRT) |

THERMISTOR

| | | |
|--------|-----------------------|----------------------|
| THP601 | Δ 1-809-539-11 | THERMISTOR, POSITIVE |
|--------|-----------------------|----------------------|

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---|-----------------------|------------------------------------|---------------------------|
| VARISTOR | | | |
| VDR601 | Δ 1-801-074-41 | VARISTOR ERZV10D271 | |
| VDR602 | Δ 1-801-074-41 | VARISTOR ERZV10D271 | |
| HS | | | |
| * A-1372-507-A HS BOARD, COMPLETE (KV-35S42/35S66 ONLY) | | | |
| * A-1372-510-A HS BOARD, COMPLETE (KV-32V42/35V42 ONLY) | | | |
| * A-1372-519-A HS BOARD, COMPLETE (KV-32S66 ONLY) | | | |
| CAPACITOR | | | |
| C2168 | 1-104-665-11 | ELECT 100 μ F 20% 25V | (KV-32S66 ONLY) |
| C2169 | 1-126-959-11 | ELECT 0.47 μ F 20% 50V | (KV-32S66 ONLY) |
| C2170 | 1-164-096-11 | CERAMIC 0.01 μ F 50V | (KV-32S66 ONLY) |
| CONNECTOR | | | |
| CN2101 | * 1-564-524-11 | PLUG,CONNECTOR 9P | |
| CN2102 | * 1-564-523-11 | PLUG,CONNECTOR 8P | (KV-32V42/S66/35V42 ONLY) |
| DIODE | | | |
| D2106 | 1-810-039-11 | LED UNIT (KV-32S66 ONLY) | |
| IC | | | |
| IC2103 | 8-742-134-00 | HYB IC SBX1981-51P (KV-32S66 ONLY) | |
| RESISTOR | | | |
| R2109 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | (KV-32S66 ONLY) |
| R2110 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | (KV-32S66 ONLY) |
| R2159 | 1-216-047-91 | RES,CHIP 820 5% 1/10W | (KV-32S66 ONLY) |
| R2160 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | (KV-32S66 ONLY) |
| R2161 | 1-216-055-00 | RES,CHIP 1.8K 5% 1/10W | (KV-32S66 ONLY) |
| R2162 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | (KV-32S66 ONLY) |
| R2163 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | (KV-32S66 ONLY) |
| R2164 | 1-216-017-91 | RES,CHIP 47 5% 1/10W | (KV-32S66 ONLY) |
| SWITCH | | | |
| S2101 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |
| S2102 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |
| S2103 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |
| S2104 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |
| S2105 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |



Complete Parts Listing

Note:

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Note:

Les composants identifiés par un trame et une marque **△** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|--------------------------------|--------|
| S2106 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |
| S2107 | 1-692-431-21 | SWITCH,TACTILE (KV-32S66 ONLY) | |



- * A-1372-523-A HV BOARD, COMPLETE (KV-35S66/35S42 ONLY)
- * A-1372-684-A HV BOARD, COMPLETE (KV-32V42/35V42 ONLY)

CAPACITOR

| | | | | | |
|-------|--------------|-----------------------|---------|-----|-----|
| C2068 | 1-104-665-11 | ELECT | 100μF | 20% | 25V |
| C2070 | 1-165-319-11 | CERAMIC | 0.1μF | | 50V |
| C2072 | 1-164-096-11 | CERAMIC | 0.01μF | | 50V |
| C2233 | 1-136-161-00 | FILM | 0.047μF | 5% | 50V |
| | | (KV-32V42/35V42 ONLY) | | | |
| C2234 | 1-126-960-11 | ELECT | 1μF | 20% | 50V |
| | | (KV-32V42/35V42 ONLY) | | | |
| C2235 | 1-126-960-12 | ELECT | 1μF | 20% | 50V |
| | | (KV-32V42/35V42 ONLY) | | | |

CONNECTOR

| | | | | | |
|----------|--------------|--------------------|-----------------------|--|--|
| CN2002 * | 1-564-518-11 | PLUG, CONNECTOR 3P | (KV-32V42/35V42 ONLY) | | |
|----------|--------------|--------------------|-----------------------|--|--|

DIODE

| | | | | | |
|-------|--------------|--------------------------------|--|--|--|
| D2006 | 1-810-039-11 | LED UNIT | | | |
| D2236 | 8-719-110-17 | RD10ESB2 (KV-32V42/35V42 ONLY) | | | |

IC

| | | | | | |
|--------|--------------|--------------------|--|--|--|
| IC2003 | 8-742-134-00 | HYB IC SBX1981-51P | | | |
|--------|--------------|--------------------|--|--|--|

JACK

| | | | | | |
|-------|--------------|------------------------------------|--|--|--|
| J2231 | 1-691-110-11 | JACK, PIN 3P (KV-32V42/35V42 ONLY) | | | |
|-------|--------------|------------------------------------|--|--|--|

RESISTOR

| | | | | | |
|-------|--------------|-----------------------|------|----|-------|
| R2003 | 1-216-017-91 | RES,CHIP | 47 | 5% | 1/10W |
| R2009 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2010 | 1-216-033-00 | RES,CHIP | 220 | 5% | 1/10W |
| R2059 | 1-216-047-91 | RES,CHIP | 820 | 5% | 1/10W |
| | | (KV-35S66/35S42 ONLY) | | | |
| R2060 | 1-216-049-91 | RES,CHIP | 1K | 5% | 1/10W |
| | | (KV-35S66/35S42 ONLY) | | | |
| R2061 | 1-216-055-00 | RES,CHIP | 1.8K | 5% | 1/10W |
| | | (KV-35S66/35S42 ONLY) | | | |
| R2062 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| | | (KV-35S66/35S42 ONLY) | | | |
| R2063 | 1-216-073-00 | RES,CHIP | 10K | 5% | 1/10W |
| | | (KV-35S66/35S42 ONLY) | | | |
| R2235 | 1-216-022-00 | RES,CHIP | 75 | 5% | 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | |
| R2236 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | |
| R2237 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | |
| R2238 | 1-216-113-00 | RES,CHIP | 470K | 5% | 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | |
| R2239 | 1-216-065-91 | RES,CHIP | 4.7K | 5% | 1/10W |

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

(KV-32V42/35V42 ONLY)

SWITCH

| | | | |
|-------|--------------|---------------------------------------|--|
| S2001 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2002 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2003 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2004 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2005 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2006 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |
| S2007 | 1-692-431-21 | SWITCH, TACTILE (KV-32V42/35V42 ONLY) | |



- * A-1195-154-A P BOARD, COMPLETE (KV-32S66/35S66 ONLY)

CAPACITOR

| | | | | | |
|-------|--------------|---------|---------|-----|-----|
| C3301 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3302 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3303 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C3304 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3305 | 1-163-135-00 | CERAMIC | 560pF | 5% | 50V |
| C3306 | 1-163-038-91 | CERAMIC | 0.1μF | | 25V |
| C3307 | 1-163-038-91 | CERAMIC | 0.1μF | | 25V |
| C3308 | 1-164-222-11 | CERAMIC | 0.22μF | | 25V |
| C3309 | 1-163-034-00 | CERAMIC | 0.033μF | | 50V |
| C3310 | 1-164-222-11 | CERAMIC | 0.22μF | | 25V |
| C3311 | 1-163-233-11 | CERAMIC | 18pF | 5% | 50V |
| C3314 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3315 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3316 | 1-163-133-00 | CERAMIC | 470pF | 5% | 50V |
| C3317 | 1-163-133-00 | CERAMIC | 470pF | 5% | 50V |
| C3319 | 1-163-133-00 | CERAMIC | 470pF | 5% | 50V |
| C3323 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C3324 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3325 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3326 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C3327 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C3328 | 1-104-664-11 | ELECT | 47μF | 20% | 16V |
| C3330 | 1-126-964-11 | ELECT | 10μF | 20% | 50V |
| C3334 | 1-164-005-11 | CERAMIC | 0.47μF | | 25V |
| C3335 | 1-163-009-11 | CERAMIC | 0.001μF | 10% | 50V |
| C3336 | 1-163-031-11 | CERAMIC | 0.01μF | | 50V |
| C3339 | 1-163-005-11 | CERAMIC | 470pF | 10% | 50V |

CONNECTOR

| | | | | | |
|----------|--------------|------------------------------|--|--|--|
| CN3301 * | 1-691-632-21 | CONNECTOR,BOARD TO BOARD 15P | | | |
|----------|--------------|------------------------------|--|--|--|

DIODE

| | | | | | |
|-------|--------------|-------|---------------|--|--|
| D3301 | 8-719-073-01 | DIODE | MA111-(K8).S0 | | |
| D3304 | 8-719-422-12 | DIODE | MA8039 | | |

IC

| | | | | | |
|--------|--------------|----|---------------|--|--|
| IC3301 | 8-759-599-43 | IC | M65669FP-D61S | | |
|--------|--------------|----|---------------|--|--|

Note:

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Note:

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**Complete Parts Listing**


| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|-------------------|--------------|------------------------|--------|----------------|--------------|------------------------|--------|
| COIL | | | | | | | |
| L3301 | 1-410-682-31 | INDUCTOR 470 μ H | | R3358 | 1-216-689-11 | RES,CHIP 39K 5% 1/10W | |
| L3302 | 1-412-058-11 | INDUCTOR 10 μ H | | R3359 | 1-216-113-00 | RES,CHIP 470K 5% 1/10W | |
| L3303 | 1-412-058-11 | INDUCTOR 10 μ H | | R3360 | 1-216-051-00 | RES,CHIP 1.2K 5% 1/10W | |
| TRANSISTOR | | | | | | | |
| Q3304 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R3361 | 1-216-045-00 | RES,CHIP 680 5% 1/10W | |
| Q3305 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R3365 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| Q3306 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R3366 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |
| Q3309 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R3367 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | |
| Q3310 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R3368 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | |
| Q3311 | 8-729-111-55 | TRANSISTOR 2SD1312-K | | CRYSTAL | | | |
| Q3312 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | X3301 | 1-781-377-11 | OSCILLATOR,CRYSTAL | |
| Q3313 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | | | |
| Q3314 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | | | |
| RESISTOR | | | | | | | |
| R3301 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | | | | | |
| R3302 | 1-216-121-91 | RES,CHIP 1M 5% 1/10W | | | | | |
| R3303 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | | | | | |
| R3304 | 1-216-133-00 | RES,CHIP 3.3M 5% 1/10W | | | | | |
| R3305 | 1-216-037-00 | RES,CHIP 330 5% 1/10W | | | | | |
| R3308 | 1-216-085-00 | RES,CHIP 33K 5% 1/10W | | | | | |
| R3309 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | | | | | |
| R3310 | 1-216-025-91 | RES,CHIP 100 5% 1/10W | | | | | |
| R3311 | 1-216-037-00 | RES,CHIP 330 5% 1/10W | | | | | |
| R3312 | 1-216-043-91 | RES,CHIP 560 5% 1/10W | | | | | |
| R3313 | 1-216-035-00 | RES,CHIP 270 5% 1/10W | | | | | |
| R3316 | 1-216-295-91 | SHORT | | | | | |
| R3317 | 1-216-295-91 | SHORT | | | | | |
| R3318 | 1-216-061-00 | RES,CHIP 3.3K 5% 1/10W | | | | | |
| R3319 | 1-216-295-91 | SHORT | | | | | |
| R3328 | 1-216-295-91 | SHORT | | | | | |
| R3329 | 1-216-033-00 | RES,CHIP 220 5% 1/10W | | | | | |
| R3333 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | | | | |
| R3334 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | | | | |
| R3335 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | | | | |
| R3336 | 1-216-295-91 | SHORT | | | | | |
| R3338 | 1-216-295-91 | SHORT | | | | | |
| R3340 | 1-216-295-91 | SHORT | | | | | |
| R3342 | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W | | | | | |
| R3343 | 1-216-065-91 | RES,CHIP 4.7K 5% 1/10W | | | | | |
| R3344 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | | | | | |
| R3345 | 1-216-073-00 | RES,CHIP 10K 5% 1/10W | | | | | |
| R3346 | 1-216-295-91 | SHORT | | | | | |
| R3347 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | | | | |
| R3348 | 1-216-049-91 | RES,CHIP 1K 5% 1/10W | | | | | |
| R3349 | 1-215-857-11 | METAL 10 5% 1W | F | | | | |
| R3351 | 1-216-041-00 | RES,CHIP 470 5% 1/10W | | | | | |
| R3352 | 1-216-295-91 | SHORT | | | | | |
| R3353 | 1-216-295-91 | SHORT | | | | | |
| R3357 | 1-216-041-00 | RES,CHIP 470 5% 1/10W | | | | | |

- * A-1394-910-A UV BOARD, COMPLETE (KV-32S66/35S66 ONLY)
- * A-1394-905-A UV BOARD, COMPLETE (KV-32V42/35V42 ONLY)


CAPACITOR

| | | | |
|------|--------------|--------------------------------|--|
| C100 | 1-164-346-11 | CERAMIC 1 μ F 16V | |
| C101 | 1-165-319-11 | CERAMIC 0.1 μ F 50V | |
| C102 | 1-164-346-11 | CERAMIC 1 μ F 16V | |
| C103 | 1-163-017-00 | CERAMIC 0.0047 μ F 10% 50V | |
| C104 | 1-164-005-11 | CERAMIC 0.47 μ F 25V | |
| C105 | 1-164-005-11 | CERAMIC 0.47 μ F 25V | |
| C150 | 1-126-956-91 | ELECT 0.1 μ F 20% 50V | |
| C153 | 1-163-017-00 | CERAMIC 0.0047 μ F 10% 50V | |
| C154 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| C155 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| C156 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| C158 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| C160 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C161 | 1-126-956-91 | ELECT 0.1 μ F 20% 50V | |
| C162 | 1-163-017-00 | CERAMIC 0.0047 μ F 10% 50V | |
| C163 | 1-104-664-11 | ELECT 47 μ F 20% 25V | |
| C164 | 1-165-319-11 | CERAMIC 0.1 μ F 50V | |
| C165 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C168 | 1-126-963-11 | ELECT 4.7 μ F 20% 50V | |
| C171 | 1-126-941-11 | ELECT 470 μ F 20% 25V | |
| C172 | 1-126-959-11 | ELECT 0.47 μ F 20% 50V | |
| C173 | 1-126-959-11 | ELECT 0.47 μ F 20% 50V | |
| C174 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C176 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C177 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |
| C178 | 1-126-964-11 | ELECT 10 μ F 20% 50V | |

**Note:**

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Complete Parts Listing

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|-----------------------|-----------|------------------|--------------|--|---------|
| | | (KV-32V42/35V42 ONLY) | | | | | |
| C179 | 1-164-182-11 | CERAMIC 0.0033μF | 10% 50V | C261 | 1-136-161-00 | FILM 0.047μF 5% 50V | |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32S66/35S66 ONLY) | |
| C180 | 1-164-182-11 | CERAMIC 0.0033μF | 10% 50V | C262 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | (KV-32V42/35V42 ONLY) | | C263 | 1-136-161-00 | FILM 0.047μF | 5% 50V |
| C181 | 1-163-989-11 | CERAMIC 0.033μF | 10% 25V | C264 | 1-126-941-11 | ELECT 470μF | 20% 25V |
| | | (KV-32V42/35V42 ONLY) | | | | | |
| C182 | 1-163-989-11 | CERAMIC 0.033μF | 10% 25V | C266 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32S66/35S66 ONLY) | |
| C183 | 1-163-227-11 | CERAMIC 10pF | 0.50% 50V | C267 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32S66/35S66 ONLY) | |
| C184 | 1-163-227-11 | CERAMIC 10pF | 0.50% 50V | C270 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| | | (KV-32V42/35V42 ONLY) | | C271 | 1-126-960-11 | ELECT 1μF | 20% 50V |
| C185 | 1-163-227-11 | CERAMIC 10pF | 0.50% 50V | C275 | 1-104-664-11 | ELECT 47μF | 20% 25V |
| | | (KV-32V42/35V42 ONLY) | | C276 | 1-163-251-11 | CERAMIC 100pF | 5% 50V |
| C187 | 1-126-964-11 | ELECT 10μF | 20% 50V | | | | |
| | | (KV-32V42/35V42 ONLY) | | CONNECTOR | | | |
| C188 | 1-126-956-91 | ELECT 0.1μF | 20% 50V | CN261 | 1-691-632-21 | CONNECTOR, BOARD TO BOARD 15P | |
| | | (KV-32V42/35V42 ONLY) | | CN262 | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P | |
| C189 | 1-126-956-91 | ELECT 0.1μF | 20% 50V | CN263 | 1-564-506-11 | PLUG, CONNECTOR 3P | |
| | | (KV-32V42/35V42 ONLY) | | CN264 | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P | |
| C190 | 1-163-986-00 | CERAMIC 0.027μF | 10% 25V | | | | |
| | | (KV-32V42/35V42 ONLY) | | DIODE | | | |
| C191 | 1-163-017-00 | CERAMIC 0.0047μF | 10% 50V | D100 | 8-719-981-99 | DIODE MTZJ-3.3 | |
| | | (KV-32V42/35V42 ONLY) | | D231 | 8-719-110-17 | DIODE RD10ESB2 | |
| C192 | 1-163-005-11 | CERAMIC 470pF | 10% 50V | D232 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D233 | 8-719-110-17 | DIODE RD10ESB2 | |
| C193 | 1-165-319-11 | CERAMIC 0.1μF | 50V | D234 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D235 | 8-719-110-17 | DIODE RD10ESB2 | |
| C194 | 1-163-023-00 | CERAMIC 0.015μF | 10% 50V | D236 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D237 | 8-719-981-99 | DIODE MTZJ-3.3 (KV-32V42/35V42 ONLY) | |
| C195 | 1-164-161-11 | CERAMIC 0.0022μF | 10% 50V | D238 | 8-719-981-99 | DIODE MTZJ-3.3 (KV-32V42/35V42 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | | D240 | 8-719-110-17 | DIODE RD10ESB2 | |
| C196 | 1-126-965-11 | ELECT 22μF | 20% 50V | D241 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D242 | 8-719-110-17 | DIODE RD10ESB2 | |
| C197 | 1-165-319-11 | CERAMIC 0.1μF | 50V | D243 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D244 | 8-719-110-17 | DIODE RD10ESB2 | |
| C198 | 1-126-960-11 | ELECT 1μF | 20% 50V | D264 | 8-719-110-17 | DIODE RD10ESB2 | |
| | | (KV-32V42/35V42 ONLY) | | D265 | 8-719-110-17 | DIODE RD10ESB2 | |
| C199 | 1-165-319-11 | CERAMIC 0.1μF | 50V | D902 | 8-719-110-17 | DIODE RD10ESB2 (KV-32S66/35S66 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | | IC | | | |
| C231 | 1-163-031-11 | CERAMIC 0.01μF | 50V | IC100 | 8-752-072-39 | IC CXA2021S | |
| C232 | 1-136-161-00 | FILM 0.047μF | 5% 50V | IC101 | 8-759-100-96 | IC NJM4558M-TE2 | |
| C233 | 1-136-161-00 | FILM 0.047μF | 5% 50V | IC102 | 8-759-537-25 | IC NJM2150M-TE2 (KV-32V42/35V42 ONLY) | |
| | | | | IC103 | 8-759-537-26 | IC TDA7467D013TR (KV-32V42/35V42 ONLY) | |
| C234 | 1-126-960-11 | ELECT 1μF | 20% 50V | IC261 | 8-759-534-81 | IC MM1313AD/ (KV-32S66/35S66 ONLY) | |
| C235 | 1-126-960-11 | ELECT 1μF | 20% 50V | IC261 | 8-759-366-77 | IC MM1311AD (KV-32V42/35V42 ONLY) | |
| C236 | 1-136-161-00 | FILM 0.047μF | 5% 50V | | | | |
| C237 | 1-126-960-11 | ELECT 1μF | 20% 50V | JACK | | | |
| C238 | 1-126-960-11 | ELECT 1μF | 20% 50V | J231 | 1-750-515-11 | TERMINAL BLOCK, S 3P | |
| C241 | 1-126-941-11 | ELECT 470μF | 20% 25V | J232 | 1-750-517-11 | JACK BLOCK, PIN 3P | |
| | | (KV-32V42/35V42 ONLY) | | J233 | 1-750-516-11 | JACK BLOCK, PIN 2P | |
| C242 | 1-126-959-11 | ELECT 0.47μF | 20% 50V | J234 | 1-750-517-11 | JACK BLOCK, PIN 3P (KV-32V42/35V42 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | | J902 | 1-764-143-11 | JACK 3P (KV-32S66/35S66 ONLY) | |
| C244 | 1-126-959-11 | ELECT 0.47μF | 20% 50V | J903 | 1-764-143-11 | JACK 3P (KV-32S66/35S66 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | | J904 | 1-764-143-11 | JACK 3P (KV-32S66/35S66 ONLY) | |

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

UV

Complete Parts Listing

| REF.NO. | PART.NO. | DESCRIPTION | REMARK | REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|-----------------------|--------------|-----------------------------|----------|---------|--------------|-----------------------|----------|
| CHIP CONDUCTOR | | | | | | | |
| JR101 | 1-216-295-91 | SHORT | | R109 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| JR106 | 1-216-295-91 | SHORT (KV-32V42/35V42 ONLY) | | R110 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| JR107 | 1-216-295-91 | SHORT (KV-32V42/35V42 ONLY) | | R111 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| JR109 | 1-216-295-91 | SHORT | | R112 | 1-216-121-91 | RES,CHIP 1M | 5% 1/10W |
| JR147 | 1-216-295-91 | SHORT (KV-32S66/35S66 ONLY) | | R113 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| JR148 | 1-216-295-91 | SHORT (KV-32S66/35S66 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| JR201 | 1-216-295-91 | SHORT | | R114 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| JR204 | 1-216-295-91 | SHORT | | | | (KV-32V42/35V42 ONLY) | |
| JR205 | 1-216-295-91 | SHORT | | R115 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| JR269 | 1-216-295-91 | SHORT | | | | (KV-32V42/35V42 ONLY) | |
| JR270 | 1-216-295-91 | SHORT | | R116 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| JR272 | 1-216-295-91 | SHORT | | | | (KV-32V42/35V42 ONLY) | |
| JR273 | 1-216-295-91 | SHORT | | R117 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| JR274 | 1-216-295-91 | SHORT | | | | (KV-32V42/35V42 ONLY) | |
| JR276 | 1-216-295-91 | SHORT | | R118 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| JR901 | 1-216-295-91 | SHORT (KV-32S66/35S66 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| JR902 | 1-216-295-91 | SHORT (KV-32V42/35V42 ONLY) | | R119 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W |
| JR903 | 1-216-295-91 | SHORT (KV-32V42/35V42 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| TRANSISTOR | | | | R124 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| Q100 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | | (KV-32V42/35V42 ONLY) | |
| Q101 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R125 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| Q231 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | | | (KV-32V42/35V42 ONLY) | |
| Q233 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R126 | 1-216-063-91 | RES,CHIP 3.9K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| Q234 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R127 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| Q238 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R128 | 1-216-085-00 | RES,CHIP 33K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| Q239 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R129 | 1-216-053-00 | RES,CHIP 1.5K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| Q237 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R130 | 1-216-100-00 | RES,CHIP 130K | 5% 1/10W |
| Q243 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | | | (KV-32V42/35V42 ONLY) | |
| Q261 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R131 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| Q262 | 8-729-422-27 | TRANSISTOR 2SD601A-Q | | R132 | 1-216-088-00 | RES,CHIP 43K | 5% 1/10W |
| Q263 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | | | (KV-32V42/35V42 ONLY) | |
| Q265 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R133 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W |
| RESISTOR | | | | R134 | 1-216-061-00 | RES,CHIP 3.3K | 5% 1/10W |
| R100 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | R135 | 1-216-097-91 | RES,CHIP 100K | 5% 1/10W |
| R101 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W | R136 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W |
| R102 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W | | | (KV-32S66/35S66 ONLY) | |
| R103 | 1-216-081-00 | RES,CHIP 22K | 5% 1/10W | R136 | 1-216-085-00 | RES,CHIP 33K | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | | | | (KV-32V42/35V42 ONLY) | |
| R103 | 1-216-085-00 | RES,CHIP 33K | 5% 1/10W | R137 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | | R201 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R104 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W | | | (KV-32V42/35V42 ONLY) | |
| R105 | 1-216-089-91 | RES,CHIP 47K | 5% 1/10W | R202 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R106 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | | | (KV-32V42/35V42 ONLY) | |
| R107 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W | R203 | 1-216-069-00 | RES,CHIP 6.8K | 5% 1/10W |
| R108 | 1-216-073-00 | RES,CHIP 10K | 5% 1/10W | | | (KV-32V42/35V42 ONLY) | |
| | | | | R204 | 1-216-069-00 | RES,CHIP 6.8K | 5% 1/10W |
| | | | | | | (KV-32V42/35V42 ONLY) | |
| | | | | R212 | 1-249-440-11 | CARBON 82K | 5% 1/4W |
| | | | | R213 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |



Complete Parts Listing

Note:

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Note:

Les composants identifiés par un trame et une marque **△** sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|-----------------------------|----------|
| | | (KV-32V42/35V42 ONLY) | |
| R214 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R215 | 1-249-413-11 | CARBON 470 | 5% 1/4W |
| R216 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R217 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R218 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R228 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R229 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R230 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R231 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R232 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R233 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R234 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R235 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R236 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R237 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R238 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R239 | 1-216-022-00 | RES,CHIP 75 | 5% 1/10W |
| R240 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R241 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R242 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R243 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R244 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R245 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| | | (KV-32V42/35V42 ONLY) | |
| R246 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| R247 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R248 | 1-216-021-00 | RES,CHIP 68 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R249 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R250 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | |
| R251 | 1-216-113-00 | RES,CHIP 470K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R256 | 1-216-069-00 | RES,CHIP 6.8K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | |
| R259 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R261 | 1-216-009-91 | RES,CHIP 22 | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | |
| R264 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R265 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| R266 | 1-216-295-91 | SHORT (KV-32S66/35S66 ONLY) | |
| | | (KV-32S66/35S66 ONLY) | |
| R267 | 1-249-415-11 | CARBON 680 | 5% 1/4W |
| | | (KV-32S66/35S66 ONLY) | |
| R268 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R269 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R270 | 1-216-041-00 | RES,CHIP 470 | 5% 1/10W |
| R271 | 1-249-415-11 | CARBON 680 | 5% 1/4W |

| REF.NO. | PART.NO. | DESCRIPTION | REMARK |
|---------|--------------|-----------------------------|-----------|
| R272 | 1-249-417-11 | CARBON 1K | 5% 1/4W |
| R274 | 1-249-413-11 | CARBON 470 | 5% 1/4W |
| R275 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| | | (KV-32S66/35S66 ONLY) | |
| R276 | 1-249-425-11 | CARBON 4.7K | 5% 1/4W |
| | | (KV-32S66/35S66 ONLY) | |
| R277 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R279 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R280 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R281 | 1-216-033-00 | RES,CHIP 220 | 5% 1/10W |
| R282 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R283 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R284 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R285 | 1-216-065-91 | RES,CHIP 4.7K | 5% 1/10W |
| R286 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| R288 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| | | (KV-32V42/35V42 ONLY) | |
| R289 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| | | (KV-32V42/35V42 ONLY) | |
| | | (KV-32V42/35V42 ONLY) | |
| R290 | 1-247-815-91 | CARBON 220 | 5% 1/4W |
| | | (KV-32V42/35V42 ONLY) | |
| R291 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| R292 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32V42/35V42 ONLY) | |
| R293 | 1-216-025-91 | RES,CHIP 100 | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | |
| R294 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | |
| R902 | 1-249-405-11 | CARBON 100 | 5% 1/4W F |
| R919 | 1-216-295-91 | SHORT (KV-32S66/35S66 ONLY) | |
| R920 | 1-249-405-11 | CARBON 100 | 5% 1/4W F |
| R921 | 1-249-405-11 | CARBON 100 | 5% 1/4W F |
| R922 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | |
| R923 | 1-216-049-91 | RES,CHIP 1K | 5% 1/10W |
| | | (KV-32S66/35S66 ONLY) | |



* A-1372-462-A WA BOARD, COMPLETE
(KV-35S42/35S66/35V42 ONLY)
4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

| | | | |
|------|--------------|-----------------------|----------|
| C941 | 1-126-935-11 | ELECT 470μF | 20% 16V |
| C944 | 1-163-021-91 | CERAMIC 0.01μF | 10% 50V |
| C945 | 1-163-001-11 | CERAMIC 220pF | 10% 50V |
| C946 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C949 | 1-161-830-00 | CERAMIC 0.0047μF | 500V |
| | | (KV-32S66/35S66 ONLY) | |
| C950 | 1-126-933-11 | ELECT 100μF | 20% 16V |
| C951 | 1-107-638-11 | ELECT 33μF | 20% 160V |
| C952 | 1-104-999-11 | MYLAR 0.1μF | 10% 200V |
| C953 | 1-106-383-00 | MYLAR 0.047μF | 10% 200V |
| C954 | 1-130-471-00 | FILM 0.001μF | 5% 50V |

Complete Parts Listing

WB



Complete Parts Listing

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-------------------|--------------|--------------------|------------------------|----------------------------------|----------------------------|---|--------|
| C2949 | 1-161-830-00 | CERAMIC | 0.0047 μ F 500V | R4947 | 1-249-432-11 | CARBON 18K 5% 1/4W | |
| C2950 | 1-126-933-11 | ELECT | 100 μ F 20% 16V | R4948 | 1-249-414-11 | CARBON 560 5% 1/4W | |
| C2951 | 1-107-638-11 | ELECT | 33 μ F 20% 160V | R4949 | 1-249-384-11 | CARBON 1.8 5% 1/4W | F |
| C2952 | 1-104-999-11 | MYLAR | 0.1 μ F 10% 200V | R4950 | 1-249-400-11 | CARBON 39 5% 1/4W | F |
| C2953 | 1-106-383-00 | MYLAR | 0.047 μ F 10% 200V | | | | |
| C2954 | 1-130-471-00 | FILM | 0.001 μ F 5% 50V | | | | |
| C2955 | 1-107-667-11 | ELECT | 2.2 μ F 20% 160V | | | | |
| C2956 | 1-130-471-00 | FILM | 0.001 μ F 5% 50V | | | | |
| C2957 | 1-106-383-00 | MYLAR | 0.047 μ F 10% 200V | | | | |
| C2958 | 1-126-933-11 | ELECT | 100 μ F 20% 16V | | | | |
| C2975 | 1-163-001-11 | CERAMIC | 220pF 10% 50V | | | | |
| CONNECTOR | | | | ACCESSORIES & PACKING | | | |
| CN2941 * | 1-564-508-11 | PLUG, CONNECTOR 5P | | * 4-041-259-01 | BAG, PROTECTION | (KV-32S42/32S66/32V42 ONLY) | |
| DIODE | | | | * 4-053-658-01 | BAG, PROTECTION | (KV-35S42/35S66/35V42 ONLY) | |
| D2941 | 8-719-991-33 | DIODE | 1SS133T-77 | * 4-053-276-03 | CARTON, INDIVIDUAL | (KV-35V42 ONLY) | |
| D2946 | 8-719-110-88 | DIODE | RD39ESB2 | * 4-054-073-14 | CARTON, INDIVIDUAL | (KV-32V42 ONLY) | |
| D2947 | 8-719-110-88 | DIODE | RD39ESB2 | * 4-056-782-01 | CARTON, INDIVIDUAL | (KV-35S42/35S66 ONLY) | |
| COIL | | | | * 4-063-179-01 | CARTON, INDIVIDUAL | (KV-32S42/32S66 ONLY) | |
| L2942 | 1-215-863-11 | METAL | 100 5% 1W F | * 4-054-070-04 | CUSHION, LOWER ASSY | (KV-32V42 ONLY) | |
| TRANSISTOR | | | | * 4-056-784-01 | CUSHION, LOWER ASSY | (KV-35S42/35S66 ONLY) | |
| Q2943 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | * 4-063-181-01 | CUSHION, LOWER ASSY | (KV-32S42/32S66 ONLY) | |
| Q2944 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | * 4-067-388-01 | CUSHION, LOWER ASSY | (KV-35V42 ONLY) | |
| Q2945 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | * 4-054-067-02 | CUSHION, UPPER ASSY | (KV-32V42 ONLY) | |
| Q2946 | 8-729-017-05 | TRANSISTOR | 2SA1837 | * 4-056-783-01 | CUSHION, UPPER ASSY | (KV-35S42/35S66 ONLY) | |
| Q2947 | 8-729-017-06 | TRANSISTOR | 2SC4793 | * 4-063-180-01 | CUSHION, UPPER ASSY | (KV-32S42/32S66 ONLY) | |
| Q2965 | 8-729-422-27 | TRANSISTOR | 2SD601A-Q | * 4-067-387-01 | CUSHION, UPPER ASSY | (KV-35V42 ONLY) | |
| Q2966 | 8-729-216-22 | TRANSISTOR | 2SA1162-G | 3-866-793-21 | MANUAL, INSTRUCTION | (KV-32S42/32S66/32V42/35S42/35S66/35V42 ONLY) | |
| RESISTOR | | | | 3-866-793-31 | MANUAL, INSTRUCTION | (KV-32S42CND/32S66CND/35S42CND/35S66CND ONLY) | |
| R2943 | 1-216-025-91 | RES,CHIP | 100 5% 1/10W | | | | |
| R2948 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | | | | |
| R2949 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | | | | |
| R2950 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | | | | |
| R2951 | 1-216-049-91 | RES,CHIP | 1K 5% 1/10W | | | | |
| R2952 | 1-216-037-00 | RES,CHIP | 330 5% 1/10W | | | | |
| R2953 | 1-216-021-00 | RES,CHIP | 68 5% 1/10W | | | | |
| R2954 | 1-216-033-00 | RES,CHIP | 220 5% 1/10W | | | | |
| R2955 | 1-216-047-91 | RES,CHIP | 820 5% 1/10W | | | | |
| R2956 | 1-216-295-91 | SHORT | | | | | |
| R2957 | 1-216-073-00 | RES,CHIP | 10K 5% 1/10W | | | | |
| R2958 | 1-216-295-91 | SHORT | | | | | |
| R2959 | 1-216-021-00 | RES,CHIP | 68 5% 1/10W | | | | |
| R2979 | 1-216-017-91 | RES,CHIP | 47 5% 1/10W | | | | |
| R4941 | 1-260-311-51 | CARBON | 39 5% 1/2W | | | | |
| R4942 | 1-249-384-11 | CARBON | 1.8 5% 1/4W F | | | | |
| R4943 | 1-249-414-11 | CARBON | 560 5% 1/4W F | | | | |
| R4944 | 1-249-432-11 | CARBON | 18K 5% 1/4W | | | | |
| R4945 | 1-216-476-11 | METAL | 180 5% 3W F | | | | |
| R4946 | 1-249-417-11 | CARBON | 1K 5% 1/4W F | | | | |
| | | | | REMOTE COMMANDER | | | |
| | | | | 1-418-387-11 | REMOTE COMMANDER (RM-Y168) | (KV-32S42/32V42/35S42/35V42 ONLY) | |
| | | | | 4-978-977-01 | BATTERY COVER FOR RM-Y168 | (KV-32S42/32V42/35S42/35V42 ONLY) | |
| | | | | 1-418-384-11 | REMOTE COMMANDER (RM-Y169) | (KV-32S66/35S66 ONLY) | |
| | | | | 4-978-977-01 | BATTERY COVER FOR RM-Y169 | (KV-32S66/35S66 ONLY) | |

